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RIGHT, 1936 BY JACKSON & PERKINS COMPANY

FEB 1 1938  
Department of Agriculture

*Gloaming*

... one of the  
finest new roses

\$1.25  
EACH

(See page 31)

THE  
*Inland* SEED *Company*  
1938



SOUTH 120-122 HOWARD ST. SPOKANE, WASHINGTON



#### **SCABIOSA, GIANT SALMON BEAUTY**

Pure salmon in color with huge flowers and all the vigor of its near relative, the popular Loveliness. The stems are long and stiff, making it a most popular flower for the garden and also for cutting. Pkt. 25c.

#### **NEW COLLARETTE MARIGOLD, CROWN OF GOLD**

Gold Medal, All-America Selections, 1937

A new kind of Marigold with a Chrysanthemum-like crown surrounded by a collar of big, broad petals of the same color, bright golden orange. It is the only Marigold with entirely odorless foliage. The flowers have a delicate fragrance. Plants grow about 2 feet tall, bloom early, profusely and continuously until frost. Lovely in the garden; wonderful for cutting. Pkt. 15c.



#### **RUST-PROOF SNAPDRAGON, ROSE SENSATION**

It is the richest, most charming shade of rose pink imaginable, with just a slight touch of salmon to add to its piquancy. Huge flowers, with both tube and flower being one solid color. Trusses are immense and finely tapered. Pkt. 25c.

#### **AGERATUM, FAIRY PINK**

This new variety is the dwarf compact type which comes in a delightful, soft salmon rose pink color. It begins to bloom when the plant is half grown and continues until the plant is a solid mass of color. Try this lovely novelty for borders this year. Pkt. 25c.





# GOODBY 1937

We take this opportunity of expressing our appreciation of the favors received during 1937 from our old customers who have steadily traded with the Inland Seed Co. since it was organized, also to those who trusted us with their seed orders for the first time during the past year, and to those who undoubtedly will purchase seed and other articles in the year 1938.

The Inland Seed Co. makes no claim to infallibility but on the other hand confesses to errors made in spite of the utmost care given to every detail of the business. We highly appreciate being told when any article purchased from us does not turn out satisfactory or does not fully come up to representations made.

The Inland Seed Co. does not believe in exaggerations, therefore have endeavored to describe seeds and other items as nearly correct as possible. Illustrations used represent the full grown vegetables and all other items as far as has been possible to make them identical in appearance with the original.

We are specializing in northwest grown seeds. Some of these we contract direct with the farmers, others we purchase from growers. Northwest grown

seeds as a rule are fully matured. The climatic conditions are ideal for harvesting and curing and as a rule strong germination can be expected.

In life's struggles it is sometimes the part of wisdom to practice economy, but it is never economy to buy seeds at a bargain sale or to make your purchases and selections from a catalogue simply because said catalogue has made lower quotations than any of the others you have received. Do not make the fatal mistake of purchasing your seeds on a price basis only. The best seeds are the most economical, are worth more, and will produce more and give better results and greater satisfaction in every way.

## WELCOME 1938

Referring to colored illustrations on outside of front and back covers. Desire to say that so far as the Inland Seed Co. knows, the illustrations and descriptions are true to nature and we highly recommend them. The other seeds on this page have all received the approval of the All-America Selections and are undoubtedly a most worthy collection and we believe will be approved by the most critical of flower lovers.

### ASTER SUPER GIANT EL MONTE

Special Mention, All-America Selections, 1936

El Monte was awarded the highest rank of all the new Aster seedlings placed in competition in 1935. Deep glowing crimson, composed of abundant quantities of daintily interlaced plume-like petals, the flowers are extremely large and fluffy, borne on heavy non-lateral, basal branched stems. It is very early blooming, and remains in flower over a long period. Pkt. 15c.

### CORNFLOWER, JUBILEE GEM

Award of Merit, All-America Selections, 1937

Jubilee Gem is a dwarf variety of Cornflower making a compact plant literally covered with flowers. The plant is about 12 inches in height. Easy to grow, it is "everyone's" flower and is adaptable for almost any purpose to which a plant may be put. As an edging plant, a border plant, or for ground work in formal beds of roses, etc., it will be found admirable; it is a fine cut flower and, above all, it may be sown outside in the autumn for spring flowering, or in the spring for summer flowering. Pkt. 25c.

### BETTER GARDENING

One of the most useful inexpensive booklets with which we are familiar is what is known as "Better Gardening", edited by Harry R. O'Brien, a nationally known writer on garden and farm topics, as well as teacher of Agricultural Journalism at Ohio State University.

This booklet contains 48 pages and has chapter or chapters on 26 different subjects filled full of very interesting and instructive information. Forwarded to your address for 10 cents or will forward it free upon request with any order amounting to \$1.00 for package or bulk vegetable seeds.

### PETUNIA, FLAMING VELVET

Gold Medal, All-America Selections, 1936

The only Gold Medal winner in last year's All-America Trials, Petunia Flaming Velvet has caused a sensation because of the uniform excellence of its velvety, rich, blood-red flower. It has not yet been widely grown, but after this year will be classed among the popular Petunia varieties. The plants are semi-compact in habit, about 15 inches in height, absolutely uniform, and the flowers are large and borne in great profusion. Pkt. 25c.

### FREE INFORMATION BUREAU

We are glad to record that our customers have used this freely, and we wish to state that it has been a source of great pleasure and profit to ourselves, as frequently we have been obliged to investigate before answering, and this fact accounts for the delay of a few days in answering some inquiries. This has been established for the use of our customers and the more it is used the better we are pleased. It is entirely free.

### COMMANDER KOEHL

Color, vivid scarlet red without markings or blotches. Individual florets  $6\frac{1}{2}$  inches across of which there are 6-7 open at a time, producing a flower spike measuring 24 inches from top to first floret. The vivid color, large florets of heavy substance combined with long flower head, places Commander Koehl as a leader in its color class. 3 for 25c; doz. 75c.

### PELEGRINA

A pure dark violet blue, lower petals somewhat darker. Stands excessive heat as do few other varieties. When the first floret opens, nearly all the 16-18 buds are showing color. This makes the spike with its perfectly faced flowers very attractive. There are 6-8 florets open at a time. A good grower and a splendid propagator. Every one who grows glads should have it. 3 for 25c; doz. 75c.

# VEGETABLE SEEDS

## ARTICHOKE TUBERS

Planted and cultivated the same as potatoes. Of great value for feeding stock. **One lb. postpaid, 20c;** at purchaser's expense, 50 lbs. \$2.00; 100 lbs. \$3.50.

## ASPARAGUS



**Mary Washington.** This asparagus, which has been selected by the United States Department of Agriculture, Washington, D. C., has proven to be nearly rust free. The shoots are thick and heavy. They are long and straight with closely folded tips. The color is rich, dark green, tinted darker at the tips. It is a heavy yielder of exceptionally fine flavor.

**Mary Washington, postpaid. Pkt. 5c;** 1 oz. 20c; 2 oz. 30c; ¼ lb. 50c; ½ lb. 90c; 1 lb. \$1.50.

## BEANS

### BUSH, WAX PODDED

**Golden Wax Improved.** This is one of the earliest and best dwarf sorts. The plants are erect, compact, and very productive. The pods are of medium length, four and one-half to five inches, nearly straight, broad, flat golden yellow, very fleshy and waxlike.

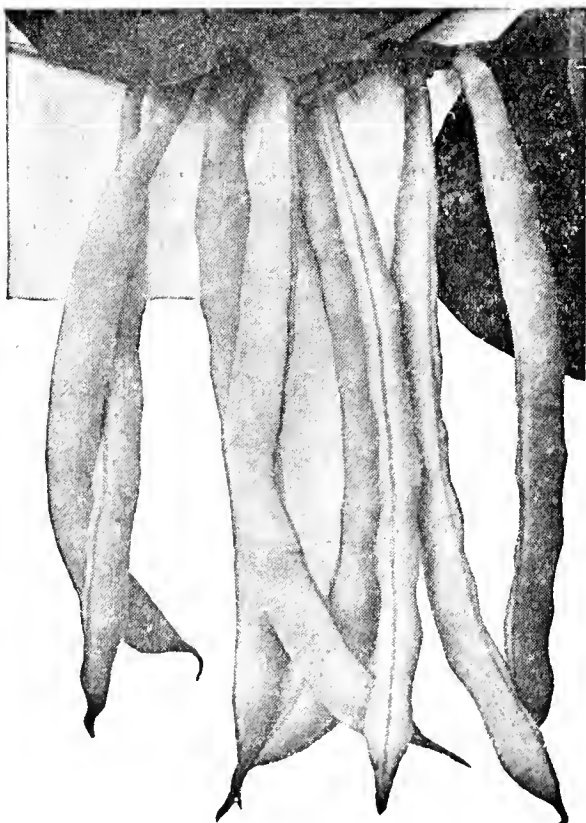
**Black Wax, Pencil Pod.** The pods are of medium length four and one-fourth to four and one-half inches, borne well up from the ground, curved cylindrical and fleshy.

### BUSH, GREEN PODDED

**Refugee, Extra Early.** A very early, green-podded variety, with medium-sized green, fleshy round pods; seed drab, freely spotted with dark purple.

**Stringless, Green.** Very desirable dwarf green podded snap sort for the home garden and market. The plants are large, spreading and productive. The pods are medium green, five to six inches long, cylindrical, and remain crisp and tender long.

**Giant Stringless.** The pods are meaty, nearly round, brittle, stringless, straight, long, and rather slender. The color of the pods is lighter than Stringless Green-Pod and they show



GREEN STRINGLESS

deeper depressions between the beans. Matures a few days later than the green stringless.

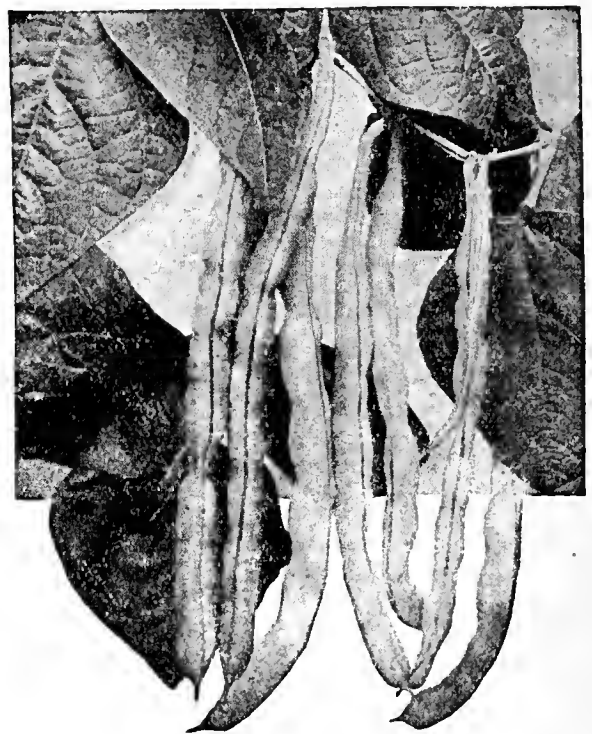
	1 lb.	5 lbs.	10 lbs.
Bush Beans, postpaid.....	\$0.30	\$1.25	\$2.25
Not prepaid .....	.25	1.10	2.00
	25 lbs.	50 lbs.	100 lbs.
Not prepaid .....	\$4.35	\$7.50	\$13.00

### POLE, GREEN PODDED

**Italian or Roman.** Vines vigorous, green pods streaked with red. Bean large, oval, cream-colored splashed with red.

**Kentucky Wonder.** Also known as Old Homestead. Pods are medium light green, long, often reaching 9 or 10 inches, curved and twisted, nearly round and very crisp when young. Seed long, oval, slightly flattened, dun colored

### POLE, WAX PODDED



KENTUCKY WONDER

**Kentucky Wonder.** Yellow podded, bears a large quantity of rich, golden-yellow pods from the time the plant is about half-grown until it is killed by frost in the fall.

	1 lb.	5 lbs.	10 lbs.
Kentucky Wonder, postpaid.....	\$0.30	\$1.25	\$2.25
Italian, postpaid .....	.30	1.25	2.25
Not prepaid .....	.25	1.10	2.00
	25 lbs.	50 lbs.	100 lbs.
Not prepaid .....	\$4.35	\$7.50	\$13.00
	1 lb.	5 lbs.	10 lbs.
Ken. W. Wax, postpaid.....	\$0.35	\$1.50	\$2.75
Not prepaid .....	.30	1.35	2.50

### LIMAS, BUSH

**Burpee's.** This is a little the earliest maturing of the large seeded Limas. The plants are vigorous and productive. The pods are medium green, very large, about five inches long.

### LIMAS, POLE

**Early Jersey.** This variety is one of the earliest of the pole Limas. Pods are four inches in length and contain three and four large beans each.

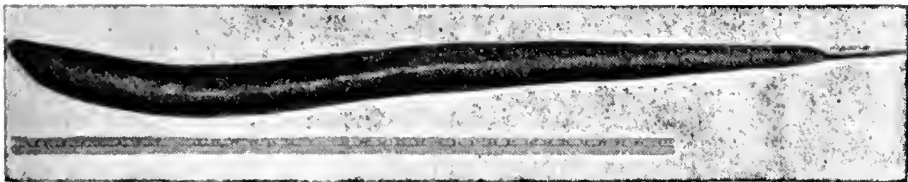
	1 lb.	5 lbs.	10 lbs.
All Lime Beans, postpaid.....	\$0.40	\$1.60	\$3.00
Not prepaid .....	.35	1.50	2.75

### ORNAMENTAL

**Scarlet Runner.** Ornamental and useful. The vine is graceful, flowers are of a brilliant scarlet, and the beans are of an excellent quality, either when shelled or in a dry state. **Oz. 10c;** 2 oz. 15c; ¼ lb. 25c; ½ lb. 40c; 1 lb. 75c, postpaid.

**BEANS—Continued****NEW GUINEA BUTTER BEAN**

One of the Most Delicious of All Vegetables



The New Guinea Butter Bean grows to enormous size, one fruit often weighing 15 lbs., and from 3 to 5 feet long. In growth it is similar to the squash, and can be grown in the same manner or can be trellised up. The vines are free from disease and insect pests. The fruit should be eaten when small, while the fuzzy growth is yet on. It can be cooked like squash and fried like egg plant. When cut up in small pieces and cooked with cream or fried it is most delicious. Pkt. 10c; oz. 35c; 2 oz. 60c; ¼ lb. \$1.00.

**FIELD**

Navy. Write for prices, stating quantity wanted.

**BEETS**

**Blood Turnip, Edmands.** An extra selected stock of Blood Turnip. The roots are dark red and nearly round or slightly flattened. The flesh is deep red, zoned with lighter shade.

**Egyptian, Crosby's.** One of the earliest and best strains of Beets. The roots run uniform in size and shape, have small tops, just right for early bunching. The flesh is deep red, and of excellent quality.



**Detroit Dark Red.** The tops are small and upright in growth. The roots are medium sized, globular or nearly round, very smooth and of dark blood red color. The flesh is deep vermilion red, zoned with a lighter shade of red.

**Wonder.** The earliest of any Beet in existence. It is of perfect globe shape with small tap roots. The color of the flesh is very dark red, which makes it splendid for pickling purposes. In flavor it can not be beat. It is tender, sweet and juicy, retaining its crispness.

DETROIT

**Swiss Chard or Sea Kale.** This variety does not produce an edible root like the regular garden beet, but is highly esteemed for the broad, white leaf stalks and midribs, which are cooked and served in the same manner as asparagus, making a most delicious vegetable. The leaves are also cooked like spinach.

All Table Beets, postpaid. Pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 35c; ½ lb. 50c; 1 lb. 80c; 5 lbs. \$3.50; 10 lbs. \$6.00.

**MANGEL WURTZELS**

**Danish Sludstrup.** Considered best of all mangels, having been awarded first class certificate. In color it is reddish-yellow and of a distinct type. It contains the largest per cent of nutriment found in any sort. It is very hardy, grows well above ground and is easily pulled.

**Giant Half Sugar.** Is very much more valuable for feeding purposes than the old sorts, it being very much richer. In addition to this, the size and form have been improved until it yields as much per acre as the best mangels.

**Golden Tankard (Improved).** A special feature is the rich, deep yellow color of the flesh. The roots are of large diameter, tapering quickly at the bottom, which is quite broad, with only a small tap-root.

**Klein Wanzleben.** This variety has proved to be a very valuable sort, on account of its richness in saccharine matter. Roots rather long, slender growing into the ground.

**Mammoth Long Red.** This is the largest of all mangels. The roots grow from one-half to two-thirds above the surface and are frequently two or more feet in length by six inches in diameter. Skin dark red, flesh white with veined rings of rose-pink.

**Yellow Giant, Intermediate or Gate Post.** Roots large, growing half out of the ground; flesh white, sweet and tender; neck small, short, easily harvested.

All Mangels, postpaid. 1 oz. 10c; 2 oz. 15c; ¼ lb. 25c; ½ lb. 35c; 1 lb. 55c; 5 lbs. \$2.50; 10 lbs. \$4.00.

**BROCCOLI**

**Italian Green Sprouting.** This vigorous plant is entirely different from the white heading sorts. Cultivated like cabbage, it bears a succession of sprouting heads which, if kept cut, will be replaced by others for 8 or 10 weeks. Each sprout, about 5 inches long, ends in a small head of deep green buds. Many think this vegetable superior in flavor to cauliflower. Pkt. 10c; oz. 60c; 2 oz. \$1.00; ¼ lb. \$1.75.

**BRUSSELS SPROUTS**

Cultivated for the small heads that grow in considerable numbers from the main stem. It is a delicacy much esteemed by some. Sow in seed bed middle of spring and transplant and manage as winter cabbage. Pkt. 5c; oz. 25c; 2 oz. 40c.

**CABBAGE****FIRST EARLY**

**Clover Leaf Copenhagen Market.** The heads average about 10 pounds, are very solid, with small core and of fine quality. It matures a little later than the Early Jersey Wakefield, and will give a much heavier yield per acre. The plant is short-stemmed, the heads being produced almost on the ground level.

**Early Jersey Wakefield.** The earliest and hardiest heading of extra early cabbages. Most gardeners depend upon it for the bulk of their extra early crop. Heads conical, very compact, solid and of excellent quality.

COPENHAGEN MARKET

**Golden Acre.** The heads are very uniform, round, firm and of superior quality. It matures nearly all at the same time. Stands a long while before bursting and is a most excellent shipper, an ideal size for family use. Very fine flavor.



GOLDEN ACRE



CABBAGE—Continued

**Enkhuizen Glory.** The round heads are very solid, of medium size. Early and of fine flavor. They keep well when put away, and consequently Enkhuizen Glory is valuable also for sowing later in the season for early winter use.

**Stein's Early Dwarf Flat Dutch.** Grows low on stems. Heads firm, fine grained, tender and excellent flavor.

LATE

**Clover Leaf Holland or Danish Ball Head.** Short stemmed. This is one of the hardiest cabbages in cultivation, and endures both frost and drought. The plants are hardy and compact; leaves are very smooth but thick; heads of medium size, round and very solid, being the hardiest heading cabbage and of the very best quality. Matures quite late, keeps well.



DANISH BALL HEAD

**Dutch, Late, Flat.** A low-growing variety; heads large, bluish green, round, solid, broad and flat on top; an excellent fall and winter variety; a good keeper, and a sure header.

**Drumhead Savoy.** The leaf is vigorous, with short stem, has densely crumpled leaves and when touched by frost is sweet, delicate and delicious. The head is large.

**Rock Red.** Best red sort, much used for pickling.

Chinese or Celery Cabbage

The most essential requirements for successfully raising Chinese cabbage is cool weather. Where the summers are warm, sowing must be delayed until early August.

**Pe-Tsai.** The leaves when young are crimped, of light green color. The plant as it matures becomes more upright and forms heads much like Cos Lettuce. The inner leaves blanch an attractive light yellow or creamy white.

Cabbage	Pkt.	1 oz.	2 oz.	¼ lb.	½ lb.	1 lb.
E. J. Wakefield.....	\$0.05	\$0.20	\$0.35	\$0.60	\$1.00	\$1.75
Enkhuizen Glory .....	.05	.20	.35	.60	1.00	1.75
Flat Dutch Early.....	.05	.20	.35	.60	1.00	1.75
Flat Dutch Late.....	.05	.20	.35	.60	1.00	1.75
Copenhagen .....	.05	.25	.40	.70	1.25	2.00
Ball Head .....	.05	.25	.40	.70	1.25	2.00
Savoy .....	.05	.25	.40	.70	1.25	2.00
Rock Red .....	.05	.25	.40	.70	1.25	2.00
Golden Acre .....	.05	.30	.50	.80	1.50	2.50
Pe-Tsai .....	.10	.35	.60	1.00	1.75	3.00

CARROTS

CARROTS—TABLE

**Chantenay.** Early, scarlet color, stump rooted, broad, thick shoulder, heavy cropper. Fine quality. In shape and appearance it takes a place between the Oxheart and the Danvers Half Long.

**Danvers Half-Long, Improved.** A first-class carrot for all soils. The root is of a rich, dark orange color and grows very smooth and handsome. Very productive, producing as much tonnage to the acre as the longer field sorts, and is much easier harvested.

**Early French Forcing.** It is an excellent carrot for forcing as well as for an early supply from the garden. Small roots, 1½ inches in diameter, tender and of fine flavor. Rich orange skin and flesh.

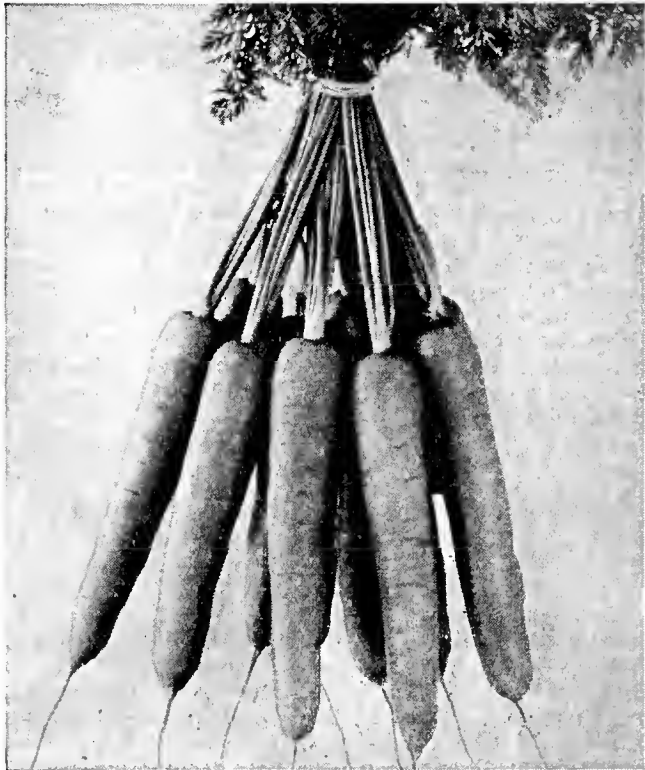
**Nantes or Coreless.** This is frequently called and sold as coreless. This however is not correct as it is not entirely coreless, but much nearer to it than any other variety. The flesh is red and very sweet, a stump rooted type growing about six inches in length.

**Oxheart or Querande.** A thick carrot, five or six inches long and very blunt at the lower extremity. It grows more rapidly and the root attains a weight of more than a pound.

**Scarlet Horn, Early.** A very early variety. Recommended for the very early market and family garden. Texture fine; very delicate in flavor.

CARROTS—Continued

**Long Orange, Improved.** A deep orange colored variety. Heavy cropper. Especially adapted for light, deep soils. Grows entirely under ground.



CARROTS—STOCK

**Improved Short White.** Roots smooth, very heavy at shoulder, tapering. A heavy producing field carrot.

**White Belgian.** Grows one-third out of the ground. Root pure white, green above the ground. The flesh is of deep yellow color, tender and of excellent flavor.

**Yellow Belgian.** Large root; yellow flesh; good keeper.

	Pkt.	1 oz.	2 oz.	¼ lb.	½ lb.	1 lb.	5 lb.	10 lb.
Chantenay .....	\$0.05	\$0.15	\$0.25	\$0.35	\$0.55	\$0.90	\$4.00	\$7.50
D. H. Long.....	.05	.15	.25	.35	.55	.90	4.00	7.50
Oxheart .....	.05	.15	.25	.35	.55	.90	4.00	7.50
Long Orange .....	.05	.15	.25	.35	.55	.90	4.00	7.50
F. Forcing .....	.05	.15	.25	.35	.60	1.00	4.50	8.00
Nantes .....	.05	.15	.25	.35	.60	1.00	4.50	8.00
S. Horn .....	.05	.15	.25	.35	.60	1.00	4.50	8.00
Stock .....	.05	.15	.25	.35	.50	.80	3.75	7.00

CELERY  
EARLY

**Golden Plume.** An outstanding early variety. Plants of strong growth with thick, heavy stalks, and a well-blanced solid heart. Being of superior quality, it is considered by many gardeners to be the very best early celery. Crisp, tender with good storing qualities.

**White Plume.** Valuable for early market. Foliage green, tinted white; stalks and foliage blanch readily to snowy-white.



LATE

**Golden Self-Blanching.** It is of a rich golden tint when ready for the table; very handsome and of excellent quality.

**Celeriac or Turnip-Rooted.** Grown exclusively for its roots, which are turnip-shaped, very smooth, tender and narrow-like. The roots are cooked and sliced; used with vinegar they make an excellent salad.

**Golden Crisp or Utah.** Medium early, plants sturdy, compact and solid. Rich flavor, very free from strings. If bleached, stalks are a pure white. If not bleached, they are a solid green.

	Pkt.	1 oz.	2 oz.	¼ lb.	½ lb.	1 lb.
G. Plume .....	\$0.05	\$0.60	\$1.00	\$1.75	\$3.00	\$5.50
W. Plume .....	.05	.60	1.00	1.75	3.00	5.50
G. S. Blanching.....	.10	1.00	1.75	3.00	5.50	10.00
G. Crisp .....	.10	1.00	1.75	3.00	5.50	10.00

**Chicory—Witloof or French Endive.** This variety produces leaves with wide ribs or leaf stalks which form a cluster or head. Pkt. 10c; oz. 25c; 2 oz. 50c; ¼ lb. 90c; ½ lb. \$1.50; lb. \$2.50.

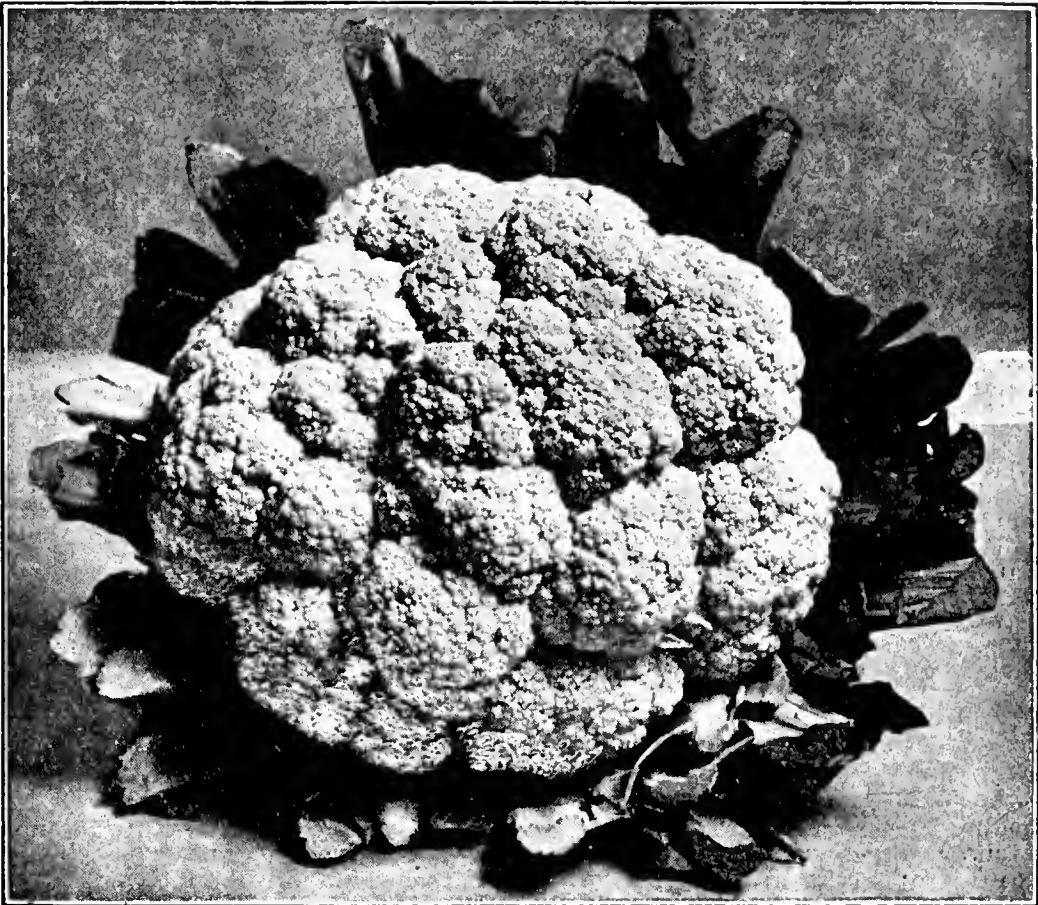
CAULIFLOWER

Cauliflower will not head up good in hot, dry weather, hence the sowing should be so regulated as to bring it to maturity either before the hot summer weather sets in or not until the cooler weather of the fall. After the heads begin to form draw the leaves over and pin or tie them together to protect the heads from the sun and keep them white.

**Clover Leaf Snowball (Best Imported Strain).** This is an improved extra early strain of dwarf, compact growth. Under favorable circumstances nearly every plant will make a fine, solid head of good size. It is valuable for both early and late.

**Danish Giant or Dry Weather (Best Imported Stock).** Large leaved, with pure white compact heads. It is truly a first-class cauliflower and is specially adapted to dry locations and to resisting the effects of drouth. Two weeks later than the Snowball.

	Postpaid				
	Pkt.	½ oz.	1 oz.	2 oz.	4 oz.
Snowball .....	\$0.10	\$1.25	\$2.00	\$3.50	\$5.00
Dryweather .....	.10	1.25	2.00	3.50	5.00



SNOWBALL

GOLDEN BANTAM

CORN—SWEET

FIRST EARLY

**White Cory Extra Early.** One of the earliest varieties. It succeeds well where the seasons are short, and can be recommended for general planting. Ears six inches long, with eight rows of broad grains.

**Early Minnesota.** The stalks are about six feet high. The ears are about eight inches long, eight rowed; kernels very broad, white, sweet and tender.

**Golden Bantam.** Grows from 3½ to 4 feet in height and produces one or two good ears on each stalk. The ears are about six inches in length, completely filled with eight rows of golden-yellow grains, extending to the rounded tip.

**Howling Mob.** The stalks are of strong, vigorous growth, four and one-half to five feet in height, have abundant foliage and generally produce two fine ears to each stalk. The ears measure 7 to 9 inches in length, with 12 or 14 rows of good-sized pearly-white grains.

**Golden Market.** An early yellow variety. Ears running from 10 to 12 rows of medium length. Somewhat earlier than Golden Bantam.

**Golden Sunshine.** A very early yellow corn, being about a week earlier than the regular Golden Bantam, retaining its flavor and tenderness and producing ears of the same size. Very valuable variety for gardeners on account of its extreme earliness.

MEDIUM EARLY

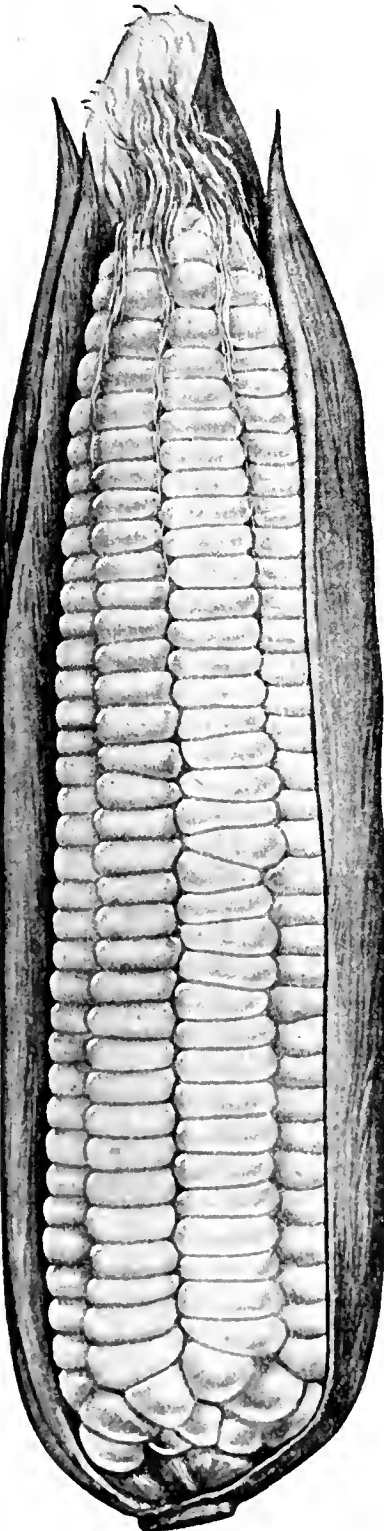
**Bantam Evergreen.** A cross between Gold Bantam and Stowell's Evergreen, maturing about ten days later than Golden Bantam, and possesses the golden color of the Golden Bantam and the flavor of Stowell's Evergreen. Ears are about one-third larger than Golden Bantam.

**Early Evergreen.** This fine variety yields large, handsome, ten and twelve rowed ears, averaging about nine inches in length. It is very sweet, has a fine flavor and remains tender a remarkably long time.

**Giant Golden Bantam.** As is well known Golden Bantam Corn is the result of a cross of two other varieties, and has been the most popular corn on the market up to the present time. By careful selection, and cross breeding, all the good traits of Golden Bantam has been retained, and in addition a larger ear has been produced, therefore the Giant Golden Bantam corn has the color, flavor and productiveness of the regular Golden Bantam combined with much larger ears, making it the most popular variety of yellow sweet corn. It comes on the market about a week later than the Golden Bantam.



EARLY EVERGREEN



**CORN, SWEET—Continued**  
**LATE**

**Stowell's Evergreen.** Hardy and productive, very tender. This variety of corn is distinguished by large ears, long, deep kernels, rich, sugary flavor and long keeping qualities. Ears are about seven to eight inches long, fourteen to twenty rowed.

	1 lb.	5 lbs.	10 lbs.
Sweet Corn, prepaid.....	\$0.30	\$1.25	\$2.25
Not prepaid .....	.25	1.10	2.00
G. G. Bantam, prepaid.....	.35	1.50	2.50
Not prepaid .....	.30	1.25	2.25
	25 lbs.	50 lbs.	100 lbs.
Sweet Corn, not prepaid.....	\$4.35	\$7.50	\$13.00
G. G. Bantam .....	5.00	9.00	17.50

**HYBRID SWEET CORN**

The sweet corn of a few years ago cannot be compared to the sweet corn of today, and improvements are continually being made. The latest development is what is known as HYBRID SWEET CORN. There are a number of HYBRIDS that can be secured, but the most popular one is the GOLDEN CROSS BANTAM. This HYBRID is a cross between two in-breds known as Purdee No. 51 and Purdee No. 39.

Some people claim that GOLDEN CROSS BANTAM will produce 40% more marketable ears than ordinary stock. Ears

usually run 12 rows and are about the same length as ears of Golden Bantam. Strange to say, however, HYBRID CORN will not reproduce itself so it is necessary to make new crosses each year, and for this reason it cannot be sold at the same price as regular sweet corn, but the increased yield will more than offset the difference in cost. It is about a week later than Golden Bantam. The chief points in its favor are the following: ITS PRODUCTIVITY; ITS RESISTANCE TO DISEASE; ITS EVEN RIPENING; ITS GOOD FLAVOR; ITS MEDIUM SIZED EARS.

Postpaid, 1 lb. 40c; 5 lbs. \$1.75; 10 lbs. \$3.25.

**CRESS**

**Pepper Grass (Curled).** The leaves, when young, have a warm, pungent taste, and are used as a salad, either alone or mixed with other salad plants.

**Water.** A delicate, pungent salad plant, very agreeable alone or mixed with other salads. Entirely distinct from common cress, thriving only where its roots are submerged.

	Postpaid			
	Pkt.	1 oz.	2 oz.	¼ lb.
Pepper Grass .....	\$0.05	\$0.20	\$0.30	\$0.50
Water Cress .....	.10	.45	.80	1.40

**CUCUMBERS**

**Boston Pickling.** This is a very productive variety that is extensively grown for pickles. The vines are vigorous. The fruits are bright green, of medium size, very smooth and symmetrical. The flesh is crisp and tender.

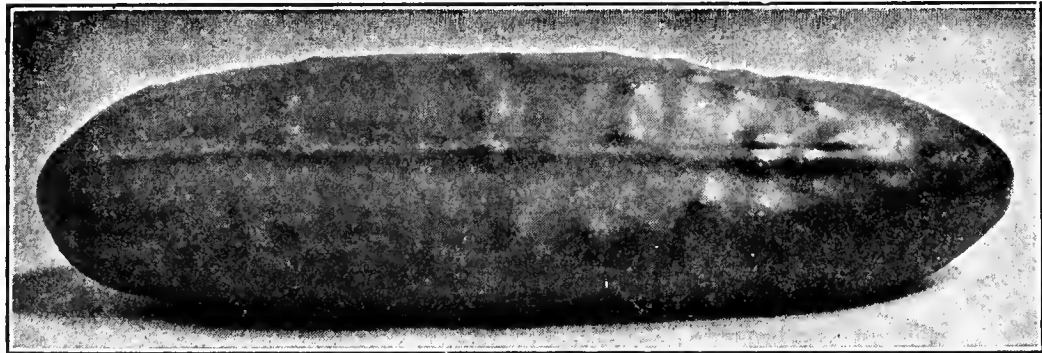
**Davis Perfect.** This cucumber has an ideal shape and a beautiful dark green color. Its eating qualities are unsurpassed, both because of its fine flavor and its small number of seeds.

**Long Green, Improved.** The vines are very vigorous and productive. The fruit is very long, growing frequently from 12

to 15 inches, and are uniformly slender and of a beautiful dark green color. The large warts and spines are well distributed over the surface.

**Short Green, or Early Frame.** A vigorous and productive variety producing fruit of medium size and regular form; flesh crisp and tender; excellent for the table or pickling.

**White Spine, Improved.** One of the best sorts for trade use, fruiting early and abundantly; fruit uniformly straight and handsome; light green, with a few white spines.



LONG GREEN

KLONDIKE

**Longfellow.** This new and greatly improved cucumber belongs to the white spine family, therefore is inclined to turn white as it approaches maturity, but never shows any trace of yellow. Its color is exceptional, being fully equal to cucumbers grown under glass. Pkt. 5c; oz. 20c; 2 oz. 30c; ¼ lb. 50c; ½ lb. 90c; lb. \$1.50.

**Gherkin.** A very small oval, prickly sort, distinct from all other varieties. Use when young. Pkt. 5c; oz. 20c; 2 oz. 35c; ¼ lb. 60c; ½ lb. \$1.00; lb. \$1.75.

**Everbearing.** This is not only a very early variety but is also extremely prolific. If the fruit is kept gathered, vines will continue in bearing throughout the season. The fruit is of medium size and rich dark green color, averaging from four to five inches in length.

**Klondike—White Spine Type.** Used principally for long distance shipping, as the deep green color holds extremely well. The ends taper slightly, fruit smooth and symmetrical but not as long as some other long varieties. It is very valuable on account of its earliness. Usual size 7x2½ inches.

Cucumbers, postpaid. Pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 35c; ½ lb. 65c; 1 lb. \$1.25; 5 lbs. \$5.50; 10 lbs. \$10.00.



**EGG PLANT**

**Black Beauty.** The fruit is broad and thick, of most attractive form, and does not fade or change to a lighter color at the blossom end. The fruits set freely, and are ready for market early, so the crop can be gathered before danger of frost.

Postpaid, pkt. 5c; 1 oz. 50c; 2 oz. 80c; ¼ lb. \$1.40; ½ lb. \$2.40; 1 lb. \$4.25.

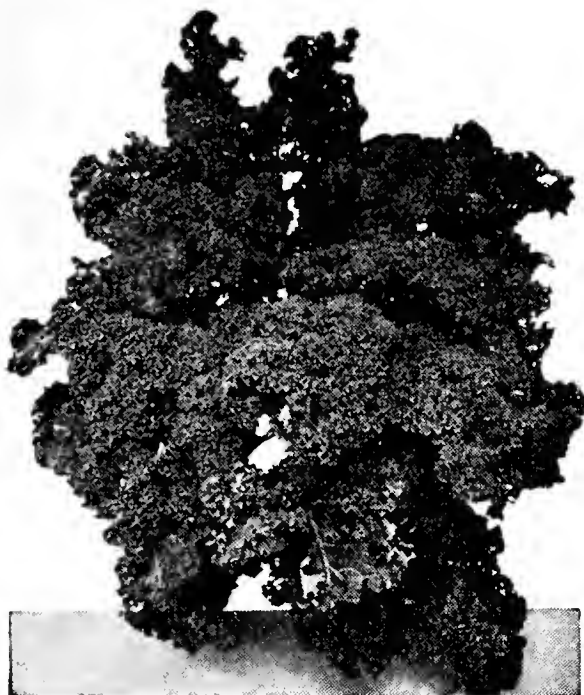
**ENDIVE**

**Broad Leaved Batavian.** Leaves are broad, thick, green, more or less twisted and waved with white mid-ribs. Crisp, tender.

**Large Green Curled.** A fine market sort; tender, green leaves; blanch white; hardy.

Both Endives, postpaid. Pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 75c; 1 lb. \$1.25.





DWARF GREEN KALE

**KALE OR BORECOLE**

**Dwarf Green Curled Scotch.** Plant low and compact, with large, bright, deep green leaves, curled, cut and crimped until the whole plant resembles a bunch of moss.

**Tall Green Curled Scotch.** Produces an abundance of dark green, curled leaves.

**Thousand Headed or Cowkale.** The plant attains a height of from 3 to 4 feet, the stem being covered with leaves of quick growth after being removed, thus producing a great amount of feed, hence it has become very popular with dairy-men and poultry keepers.

Postpaid. Pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 60c; 1 lb. \$1.00.

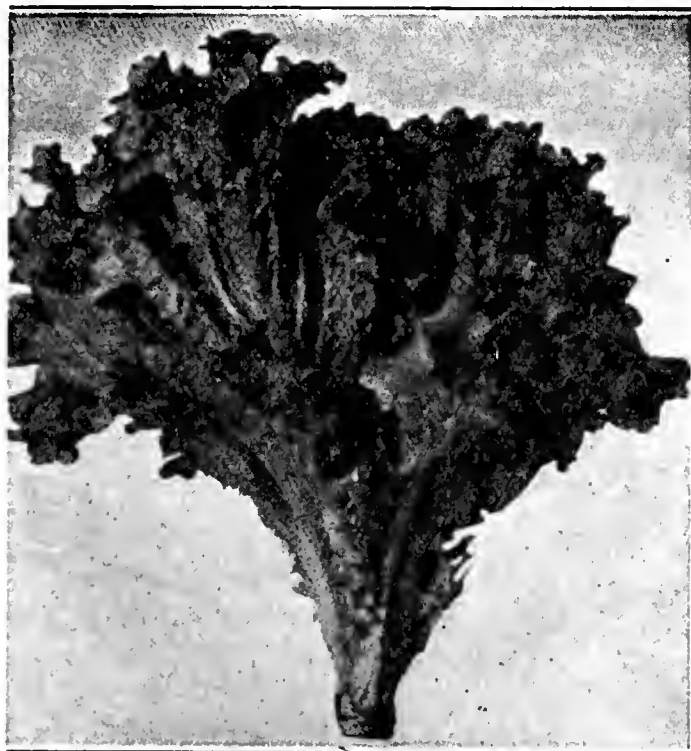
**KOHL-RABI**

The Kohl-Rabi is a vegetable intermediate between the cabbage and turnip, and combines the flavor of each.

**Early Purple.** A very desirable sort for forcing or early outdoor planting. Bulbs are of medium size, purple, flesh white. Very early with small top, the leaf stems being tinged with purple.

**Early White Vienna.** Is the earliest and best for forcing; is very tender, excellent for table use.

Both Kohl-Rabi, postpaid. Pkt. 5c; 1 oz. 25c; 2 oz. 40c; ¼ lb. 60c; ½ lb. \$1.00; 1 lb. \$1.75.



GRAND RAPIDS



NEW YORK No. 12

**GARLIC**

Has a bulbous root, with a strong, penetrating odor and flavor. Belongs to the onion family and cultivated much in the same manner. Lb. 50c, postpaid.

**LEEK**

**Large London, or Scotch Flag.** This leek is generally considered more delicate than the onion for soup, etc. Sow in seedbed middle of spring; when the plants are three or four inches high, transplant them into rows. Pkt. 5c; oz. 25c; 2 oz. 40c; ¼ lb. 60c; ½ lb. \$1.00; lb. \$1.75.

**LETTUCE****Loosehead or Cutting**

**Black Seeded Simpson.** Used for growing under glass or outdoors. The leaves are ruffled and blistered and even the large outer ones are very tender. This curly and thin-leaved variety is uniformly attractive and remains of excellent quality a very long time.

**Prize Head (Seed White).** A large, non-heading lettuce, most excellent for the home garden. It is too tender, however, to stand shipping. The leaves are finely curled and crumpled, bright green tinged with brownish red, and are very crisp, tender and sweet.

**Simpson's Early Curled (Seed White).** A very extensively used early loose leaved variety. The leaves are light green in color, slightly frilled and much blistered, crisp, sweet and tender.

**EARLY AND FORCING**

**Grand Rapids (Seed Black).** As a lettuce for greenhouse forcing this variety undoubtedly stands at the head of the list, being of quick growth, little liable to rot and standing for some days after being ready to cut. This plant is upright and forms a loose head.

**HEADING**

**Hanson.** One of the most desirable later summer lettuces. The plant is compact and forms a large, cabbage-like head which remains in condition longer than most heading sorts. The outer leaves are bright yellowish green, broad, somewhat crumpled and frilled at edge.

**New York or Wonderful.** We pride ourselves upon the extra fine strain of our New York Lettuce. The mammoth heads are solid, heavy, beautifully blanched to a creamy white with bright green outer leaves. The quality is unsurpassed, being tender, crisp and sweet. The New York is a hardy, rapid grower, deep rooted and resistant to drought; a slow seeder and sure to head.

**CHICKEN LETTUCE**

This lettuce furnishes a great amount of green feed and is therefore highly recommended for chicken or rabbit feed. It does not form heads, but produces stalks three to four feet.

Lettuce, postpaid. Pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 45c; ½ lb. 75c; 1 lb. \$1.25; 5 lbs. \$5.50; 10 lbs. \$9.50.

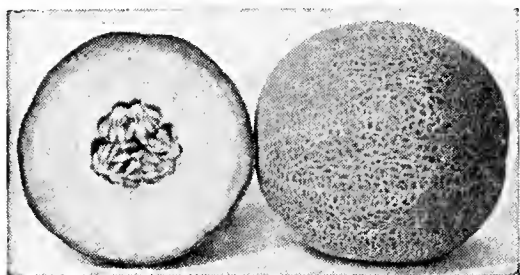
## MELONS, MUSK

### SALMON-FLESHED VARIETIES

**Banana.** A splendid melon averaging from 20 to 28 inches in length, of a rich salmon color, and delicious flavor. Don't pick the melons until they are thoroughly ripe, as they are then at their best.

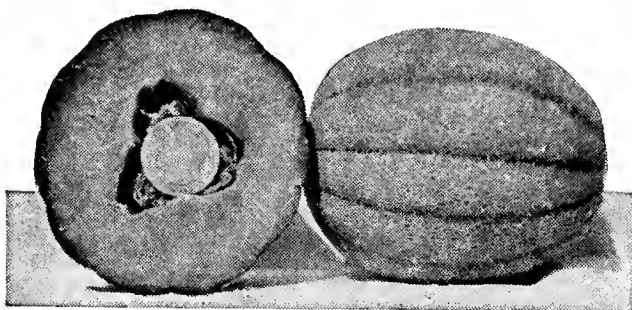
**Burrell Gem.** Burrell's Gem has a tough, thin rind, well arched ribs, covered with a closely interlaced gray netting; shape elongated, being about 4½ inches in diameter by 6 inches long, flesh, a reddish orange; thick and fine grained.

**Emerald Gem.** The skin, white-ribbed, is perfectly smooth and of a deep emerald green color. The flesh is thick and of a deep salmon color, and ripens to the green rind.



HALE'S BEST

**Hale's Best Improved.** Extra early salmon tinted of remarkable flavor. The seed cavity is small and the attractive salmon tinted flesh is firm. Melons are oblong, well netted and very attractive. It is ten days to two weeks earlier than any other strain of the famous Rockyford or Netted Gem variety.



HEARTS OF GOLD

**Hearts of Gold.** This is an orange-fleshed variety of medium size, ideal as a shipping melon and a desirable mid-season sort. The vines are vigorous, blight-resisting and very productive. The rind is thin, yet very firm, so that the melons arrive in perfect condition in distant markets. The flesh is very thick, firm, of fine texture and delicious flavor.

Note the size of the cavity as compared to size of dollar, also the very thin rind.

**Honey Dew.** Average size six inches in diameter and seven to eight inches in length, weighs five to six pounds. The skin is smooth, with an occasional net, is a creamy yellow when ripe. The flesh is very thick, and very fine grained. The seed cavity is very small.

**Large Yellow.** The fruit is large, oblong, slightly ribbed and coarsely netted. The flesh is light yellowish-green, very sweet, crisp and delicious.

**Osage or Miller's Cream.** The skin is very thin, of a dark green color, and slightly netted. The flesh is of a salmon color, remarkably sweet, extremely thick, and delicious.

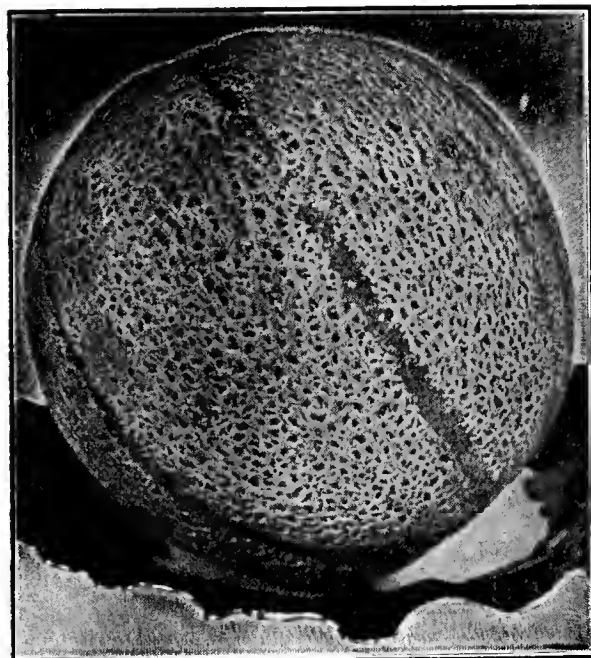
**Pollock 10-25.** A popular early melon of the solid netted type, very small seed cavity with thick luscious flesh of genuine salmon tint.

**Hale's Best, Hearts of Gold, and Honey Dew:** Oz. 15c; 2 oz. 25c; ¼ lb. 45c; ½ lb. 75c; 1 lb. \$1.25; 5 lbs. \$5.50; 10 lbs. \$9.50. All other varieties: Pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 60c; 1 lb. \$1.00; 5 lbs. \$4.50; 10 lbs. \$8.00.

### GREEN-FLESHED VARIETIES

**Green Nutmeg.** Ripens early, flesh green, fine and sweet. Superior for early market, or family garden; a favorite for hotels and restaurants.

**Hackensack Extra Early Improved.** A selection from and an improvement on the old Hackensack, and similar in shape and appearance; nearly as large and fully 10 days earlier; one of the finest for market gardeners.



ROCKYFORD

**Rocky Ford or Netted Gem.** It is of the Netted Gem type, oval in shape, averaging from 4½ to 5 inches in length, of a delicious flavor, very fine and smooth grained flesh, of light green color throughout.

**Green-Fleshed Muskmelons, postpaid, pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 60c; 1 lb. \$1.00; 5 lbs. \$4.50; 10 lbs. \$8.00.**

### CASSABAS—WHITE-FLESHED

**Golden Beauty Cassabas.** One of the best cassabas. It is a variety grown extensively for shipment. The fruits are nearly globular, bright yellow with golden tint, with wrinkled skin, 6 to 8 inches in diameter. The flesh is white, very thick, juicy and sweet. Postpaid, pkt. 5c; 1 oz. 20c; 2 oz. 30c; ¼ lb. 50c; ½ lb. 80c; 1 lb. \$1.25; 5 lbs. \$5.75; 10 lbs. \$10.00.

## MELONS, WATER

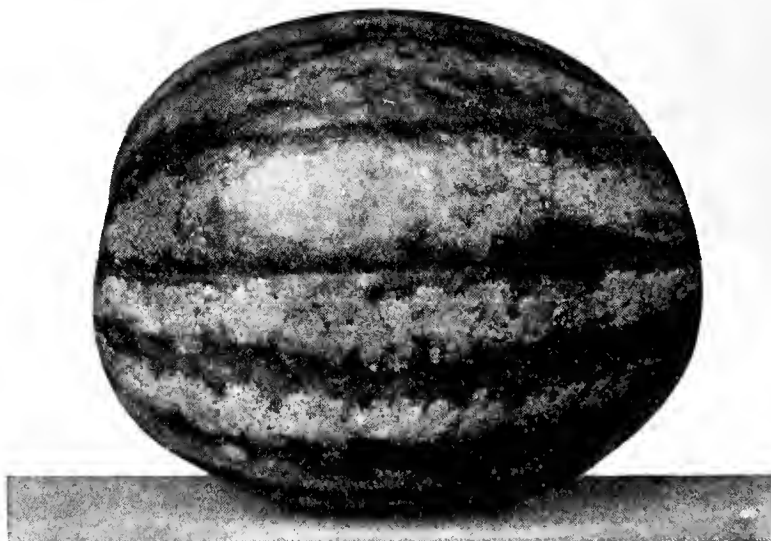
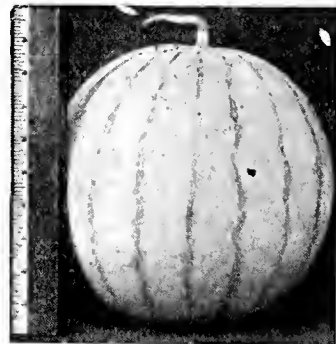
**Cuban Queen.** A very fine variety, growing to a great size; flesh bright red, solid and sweet. The skin is beautifully striped, dark and light green.

**Halbert Honey.** An exceedingly sweet and deliciously flavored melon, similar in size and shape to Kleckley's Sweet. It is of handsome, long, oval shape, averaging about 18 inches long, and about 6 inches in diameter.

ICE CREAM

**Ice Cream (Black Seeded).** A little later. Oval in shape, light in color, with a very faint stripe, seeds small and black, flesh bright red with a thin rind and solid meat and a flavor that far surpasses that of any other watermelon. It is crisp and delicious.

**Irish Grey.** A distinct and very valuable melon; wonderfully productive; long, thick, uniform. Color of rind, yellowish gray, interwoven with thread-like veins; smooth, marble-like surface almost as hard as the citron. Flesh sparkling bright red.



CUBAN QUEEN

MELON, WATER—Continued

**Kleckley's Sweet, or Monte Cristo (White Seeded).** This is one of the best flavored melons in cultivation, and of a shape and color that is extremely desirable. The rind is very dark green, very thin; flesh deep scarlet; fine, and of delicious quality. For the home market and family garden it is decidedly one of the best. Attractive red color, crisp, sweet and delicious.



KLECKLEY'S SWEET

**Peerless.** One of the best melons in cultivation. Rind thin, light mottled green. Flesh bright scarlet; solid to the center, sweet as honey.

**Tom Watson.** A large, long melon. The vines are vigorous and productive. The flesh is rich red, sweet and tender. Seed white, more or less marked with brown. Excellent shipper.

**Klondike Black Seeded.** This melon has become very popular on account of the attractive, bright red interior color, combined with high quality, and the thin but tough rind which stands shipping well.

**Klondike Striped.** Same size and same high quality as Klondike Black Seeded. Fruits striped dark and light green.

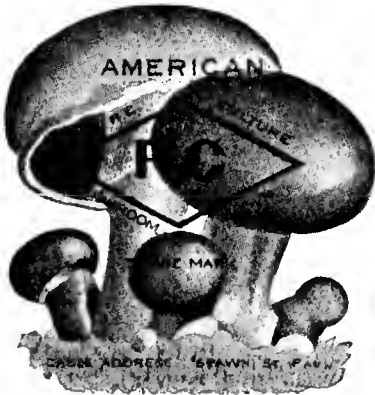
**Citron.** For preserving; grows uniformly round and smooth; striped and marbled with light green; flesh white and solid. Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 45c; ½ lb. 75c; 1 lb. \$1.25.

	Pkt.	1 oz.	2 oz.	¼ lb.	½ lb.	1 lb.
Florida Favorite .....	\$0.05	\$0.10	\$0.15	\$0.25	\$0.40	\$0.75
Halbert Honey .....	.05	.10	.15	.25	.40	.75
Irish Grey .....	.05	.10	.15	.25	.40	.75
Peerless .....	.05	.10	.15	.25	.40	.75
Tom Watson .....	.05	.10	.15	.25	.40	.75
Ice Cream .....	.05	.15	.25	.40	.60	1.00
Cuban Queen .....	.05	.15	.25	.40	.60	1.00
Kleckley's Sweet .....	.05	.15	.25	.40	.60	1.00
Both Klondikes .....	.05	.15	.30	.50	.75	1.25
			1 lb.	5 lbs.	10 lbs.	
Watermelons selling for.....			\$0.75	\$3.50	\$6.50	
			1.00	4.50	8.00	
			1.25	5.65	10.00	

MUSHROOM SPAWN

With intelligent care and good spawn, mushrooms can be made to pay handsomely. They can be successfully grown in a dry cellar or under the benches of a greenhouse, where the temperature can be kept from 50 to 60 degrees. **Lambert's Pure Culture.** It comes in bricks, weighing about 20 ounces. These are broken up into pieces the size of a walnut and put into the bed one foot apart each way. **Brick, 45c; 5 bricks, \$2.00, postpaid.**

Leaflet on Mushroom culture sent with order if requested.



MUSTARD

**Mustard** is used alone as "greens" or with cress as salad. Sow any time in the spring, in rows.

**Southern Giant Curled.** The leaves are large, light green with tinge of yellow, much crimped and frilled at edges. The plant is upright or slightly spreading in growth. Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 35c; ½ lb. 50c; 1 lb. 85c.

OKRA OR GUMBO

The long, tender pods of Okra are very delicious when sliced and cooked in soups. **Dwarf Green.** An early dwarf prolific variety with thick green pods. Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 60c;

ONIONS

ONION SETS

**Bottom Sets.** Are grown from seed that has been sown too thick to attain a large s.e. The small onions thus obtained are planted out, and are ready in a short time to pull as green onions for the table or bunched for the market.

**Yellow—Lb. 25c, postpaid; 10 lbs. \$1.75.** For large quantities, write for prices, stating quantity wanted.

BROWN

**Australian Brown.** Globe shaped. Matures early and a most excellent keeper. Brownish color.

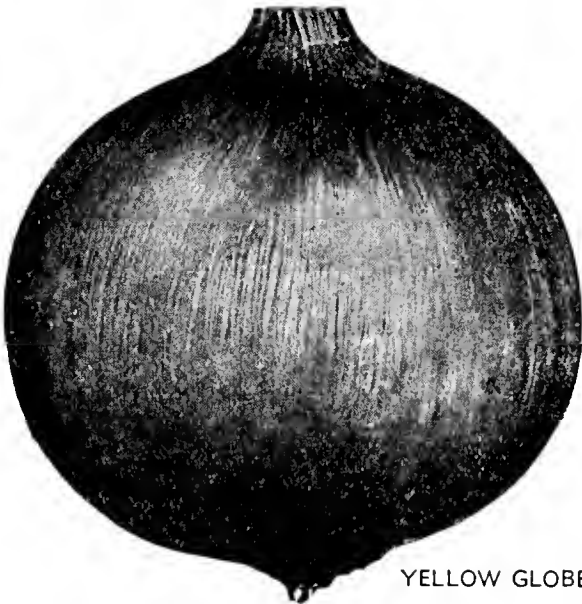
RED

**Southport Red Globe.** This most excellent red variety produces bulbs of medium to large size, ideally globe shaped, with very smooth, glossy surface, very small neck and remarkably beautiful deep purplish red color.

YELLOW

**Bermuda Imported.** The most widely grown of this variety. Light straw-yellow skin and pure white flesh. Grown very extensively in the Southern States. If planted in fall will mature very early.

**Danvers—Yellow Flat.** The leading large yellow kind, round, slightly flattened, flesh fine-grained, rather mild, very rich and sweet; one of the best keepers and shippers, and one of the most productive kinds.



YELLOW GLOBE DANVERS

**Danvers—Yellow Globe.** This onion is the standard winter sort in many markets. The shape is almost globe form and the bulbs are quite large, with thin necks, ripening down well. The skin is a fine brown orange yellow.

SWEET SPANISH

**Sweet Spanish.** A very large globe-shaped light yellow onion with small top, and an exceptionally fine shipper. It is a Spanish variety which has quickly become very popular in many sections of this country. This onion combines flavor and mildness with good keeping qualities, thus making it a desirable and profitable onion to grow.

WHITE

**Barletta or White Queen.** Used mostly for pickling. About 1¼ inches in diameter when fully grown. Uniformity in size and shape makes it ideal for pickling.

**Clover Leaf Bunching.** Do not make the mistake of thinking that all varieties of onions are equally good for bunching. White varieties are always the best. This is the very best variety known for bunching. Recommended thick sowing.

**Crystal Wax.** Medium size, pure, waxy white. One of mildest sorts grown. Imported seed. Used extensively for transplanting and sold generally as white Bermudas.

**Southport Globe.** Its mild, delicious flavor and exceptionally attractive appearance have won great prominence. It is a most beautiful onion, of superb eating quality. Handsome, white globe-shaped, flesh fine and very white.

**Sweet Spanish.** Similar in size and shape to the Riverside Sweet Spanish, but pure white. Very handsome and mild.

For prices see page 10.



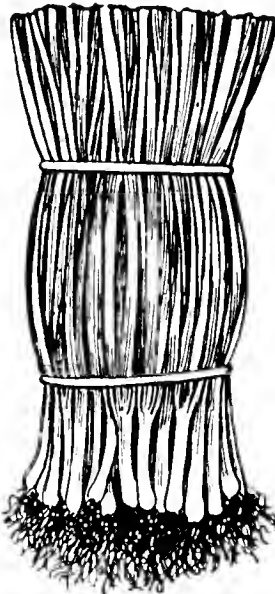
ONIONS—Continued

	Pkt.	1 oz.	2 oz.	¼ lb.	½ lb.	1 lb.
A. Brown .....	\$0.05	\$0.20	\$0.35	\$0.65	\$1.15	\$2.00
Y. Danver .....	.05	.20	.35	.65	1.15	2.00
Y. G. Danver .....	.05	.20	.35	.65	1.15	2.00
S. S. Yellow .....	.05	.25	.45	.75	1.25	2.25
S. S. White .....	.05	.25	.50	.85	1.50	2.75
S. W. Globe .....	.05	.25	.50	.85	1.50	2.75
S. R. Globe .....	.05	.25	.50	.85	1.50	2.75
Bunching .....	.05	.25	.50	.85	1.50	2.75
Barletta .....	.05	.30	.55	1.00	1.75	3.25
Crystal Wax .....	.05	.30	.55	1.00	1.75	3.25
Bermuda .....	.05	.30	.55	1.00	1.75	3.25
			1 lb.	5 lbs.	10 lbs.	
Onions selling for .....			\$2.00	\$9.25	\$16.50	
			2.25	10.50	19.50	
			2.75	13.00	24.50	
			3.25	15.00	28.00	

ONION PLANTS

Matured onions can be secured from the plants much sooner than from seed. It is recommended to plant the rows 16 inches apart and the plants 3 to 4 inches apart in the rows. If planted in this manner it will take about 100,000 to the acre. Do not plant too deep. Plants are put up in bundles of about 100 and 60 bundles to a crate. Count not guaranteed.

Not less than two bundles sold. We are growing quite an acreage in the Northwest, and quotations made are on these plants. In case of excessive winter killing when we might be compelled to secure some plants in Texas, price would be higher.



Prices, Postpaid

2 bundles .....	\$0.45
3 bundles .....	.60
6 bundles .....	1.00
10 bundles .....	1.50
Crate 60 bundles .....	5.50

Crate weighs about 30 lbs. Add postage to crate price. Quotations not guaranteed.

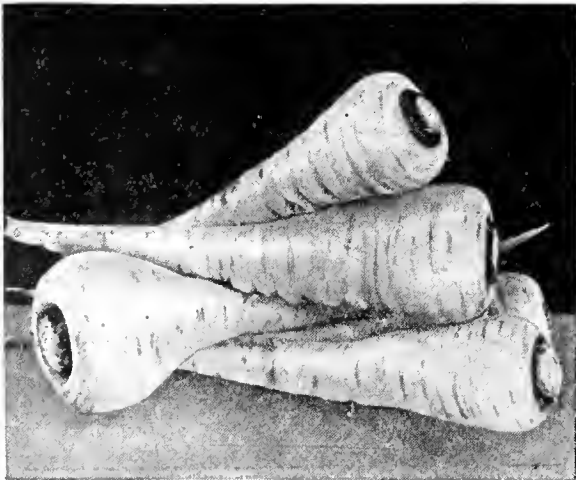
PARSLEY

Very useful for flavoring soups, meats and garnishment. The green leaves are used for flavoring.

**Extra Double Curled.** A compact grower, finely cut and much curled variety of bright green color. Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.00.

PARSNIPS

**Improved Guernsey (Improved Half-Long).** A greatly improved and wonderfully fine strain of Guernsey parsnip. It is a very heavy cropper. The roots are very smooth, the flesh is finely grained and of most excellent quality.



PARSNIPS

**Long Smooth or Hollow Crown (Abbott's Improved Long Sugar or Long White Dutch Parsnip).** A great cropper; tender, sugary and considered the best for general cultivation. Parsnips are improved by remaining exposed to the frost.

Both Parsnips, postpaid. Pkt. 5c; 1 oz. 15c; 2 oz. 20c; ¼ lb. 30c; ½ lb. 50c; 1 lb. 90c; 5 lbs. \$4.00; 10 lbs. \$7.00.



AMERICAN WONDER

PEAS, GARDEN

EXTRA EARLY DWARF

**Alaska or Earliest of All.** Earliest of the blue smooth varieties. A smooth, blue pea, which in evenness of growth of vine and early maturity of pods is unequalled by any other pea. Vines two to two and one-half feet high.

**American Wonder Improved.** One of the best of the wrinkled sorts. Has stout, branching vines about 18 to 24 inches high, and covered with well-filled pods, containing sweet, tender and well-flavored peas. As the original flavor and productiveness of the old type has been maintained, the new type is a great improvement over the old.

**Blue Bantam.** Is unequalled for combination of extreme earliness, superb quality, and unusual productiveness. The dwarf vigorous vines average 24 inches in height and carry enormous crops of large, deep bluish-green pods. The pods measure four to four and one-half inches long and contain eight to ten large, deep bluish peas of most luscious flavor.

**Laxtonian.** A pea of fine size and exceptional quality. The vines are dwarf, growing from 15 to 20 inches, and the pods are from 4 to 4½ inches long, of bluish green color, and pointed at the end.

**Little Marvel.** Height 18 to 24 inches. The vines are sturdy, and heavily set with straight, deep green pods, square ended at the bottom and nearly three inches in length. Seed large wrinkled.

SECOND EARLY DWARF

**Gradus or Prosperity.** The vine grows about 30 inches. The pods are of a light green color and measure 4 inches or more in length.

**Telephone.** Produces handsome long pods. A great favorite with our market gardeners. Immensely productive, of the finest quality and excellent sugary flavor; vines very strong, growing from 18 to 24 inches high.

LATE DWARF

**Stratagem Improved or Potlatch.** The pods are of immense size filled with large, dark green, wrinkled peas of the finest quality; vine of medium height, but very stocky, with very broad, light green leaves.

TALL

**Telephone.** The tall Telephone still remains a great favorite and one of the leading varieties. The vines grow from 4 to 5 feet and are strong and vigorous, producing large pods of about 4 inches in length, of a deep green color and well filled with large peas of a most luscious flavor.

	1 lb.	5 lbs.	10 lbs.
All varieties, postpaid .....	\$0.30	\$1.25	\$2.25
Not prepaid .....	.25	1.10	2.00
		25 lbs.	50 lbs. 100 lbs.
All varieties, not prepaid .....	\$4.35	\$7.50	\$13.00

PEPPERS

**California Wonder.** Vigorous growing plants bear a heavy yield of handsome blocky fruits which reach a size of 5 inches in length and 4 inches across. The thickness of flesh alone, which is often 3/8 of an inch, places it above all other peppers.

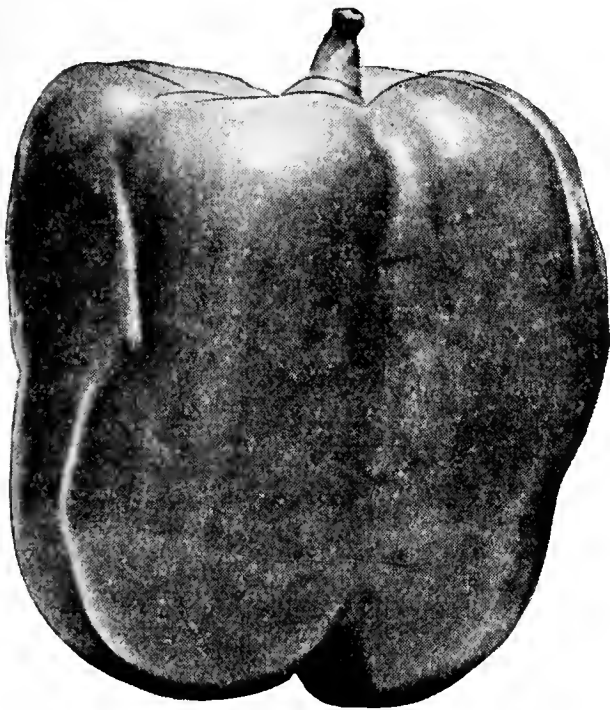
**Large Bell or Bull Nose.** Sometimes called Sweet Mountain. The plants are vigorous, about 2 feet high, compact and very productive, ripening their crop uniformly and early. The fruits are large, growing from 3 to 4 inches in length, with thick, mild flesh.

**Long Red Cayenne.** Brilliant coral-red pods, 3 or 4 inches long, and a prolific bearer; very pungent and used very largely with pickles when green.

**Pimento.** A thick fleshed, heart-shaped, of mild flavor. The fruit is long and slender and very sweet.

**Ruby King.** Very large and attractive. The plants are about 2 1/2 feet high, vigorous, compact and productive. The fruits are often 4 to 4 1/2 inches long.

	Pkt.	1 oz.	2 oz.	4 oz.
Bull Nose .....	\$0.05	\$0.40	\$0.70	\$1.25
California Wonder .....	.10	.50	1.00	1.75
Long Red Cayenne.....	.10	.50	1.00	1.75
Pimento .....	.10	.40	.70	1.25
Ruby King .....	.05	.40	.70	1.25



CALIFORNIA WONDER

CALIFORNIA WONDER—SPECIAL

**Inland's Special.** We have secured this special California Wonder Pepper for our most particular trade. This has been grown by an expert specialist and is highly recommended as a very much superior strain. As the commercial grower is specially interested in results, he will find this special strain the most profitable to grow. Pkt. 15c; oz. 75c; 2 oz. \$1.25; 1/4 lb. \$2.25.

PEANUTS, JUMBO

The peanut thrives and produces best on a light, sandy, fertile soil, with a good clay subsoil. It possesses a long tap-root which extends deep into the earth. Lb. 40c, postpaid.

HERBS

**Caraway.** Grown for seeds; used for flavoring. Pkt. 10c; oz. 25c.

**Catnip or Catmint.** Leaves and young shoots for seasoning. Pkt. 15c; oz. \$1.00.

**Coriander.** Seeds used in the manufacture of liquors, in confectionery and culinary preparations. Pkt. 10c; oz. 25c.

**Dill.** Seeds have an aromatic odor and pungent taste. Pkt. 5c; oz. 15c; 2 oz. 25c; 1/4 lb. 40c; 1/2 lb. 65c; 1 lb. \$1.00.

**Marjoram.** Sweet; leaves and shoots used for seasoning. Pkt. 10c; oz. 50c.

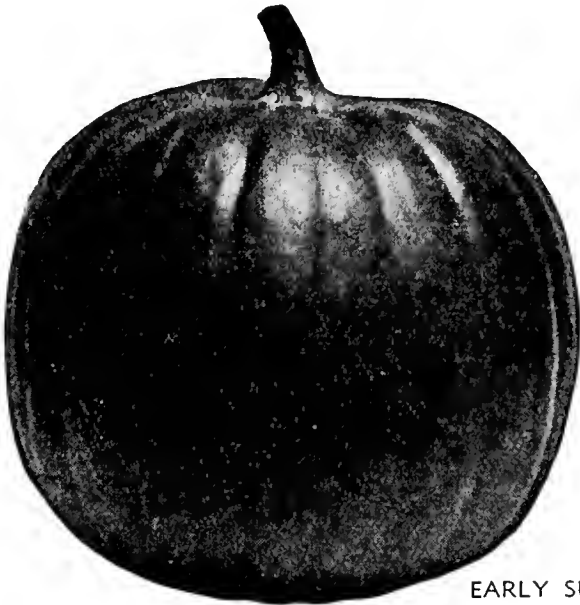
**Sage.** Extensively used for seasoning. Pkt. 10c; oz. 50c; 2 oz. 80c.

**Summer Savory.** Used for flavoring soups. Pkt. 10c; oz. 40c.

**Thyme.** Leaves and young shoots used for seasoning; a tea is made from leaves, a remedy for headache. Pkt. 10c; oz. 75c.

PUMPKINS

**Connecticut Field.** A productive, large, orange-colored field pumpkin, usually grown for stock feeding, but it makes good pies.



EARLY SUGAR

**Sugar.** This variety is small, but of most excellent quality for pies. Fruits deep orange, 8 to 10 inches in diameter, round or somewhat flattened and slightly ribbed. Flesh rich, deep yellow, fine grained and very sweet.

**Connecticut Field and Sugar.** Postpaid, pkt. 5c; 1 oz. 15c; 2 oz. 25c; 1/4 lb. 35c; 1/2 lb. 50c; 1 lb. 90c; 5 lbs. \$4.00; 10 lbs. \$7.00.

**Mammoth Prize.** This colossal pumpkin is almost a globe in shape. Skin a rich golden yellow, flesh firm, fine grained and deep yellow, sweet flavored, very thick and of excellent quality.

**Winter Luxury.** Smooth, with thin, tender skin of a rich golden yellow. The flesh is very thick, sweet, fine-flavored, and excellent for pies.

**Mammoth Prize and Winter Luxury.** Postpaid, pkt. 5c; 1 oz. 15c; 2 oz. 25c; 1/4 lb. 40c; 1/2 lb. 60c; 1 lb. \$1.00; 5 lbs. \$4.50; 10 lbs. \$8.50.

RADISHES

EARLY TURNIP ROOTED

**Crimson Giant.** A very early radish, double the size of any of the other early turnip-shaped type. Does not get hollow and pithy. The flesh is a sparkling white, solid and crisp. Excellent for both forcing and open ground.

**Scarlet Globe.** Similar in form to the Scarlet Turnip-Rooted, but much darker in color; flesh white, very crisp and tender, top small, well adapted for growing in frames.



**Scarlet Turnip.** A small, round, red turnip-shaped radish, with small top, of quick growth; very early; crisp and tender.

**Scarlet, White Tipped.** The favorite variety for outdoor cultivation; medium size, uniform shape; bright scarlet, with white tip, which makes it most attractive. Grows quickly; flesh white, crisp and of the best quality.

SCARLET WHITE TIPPED

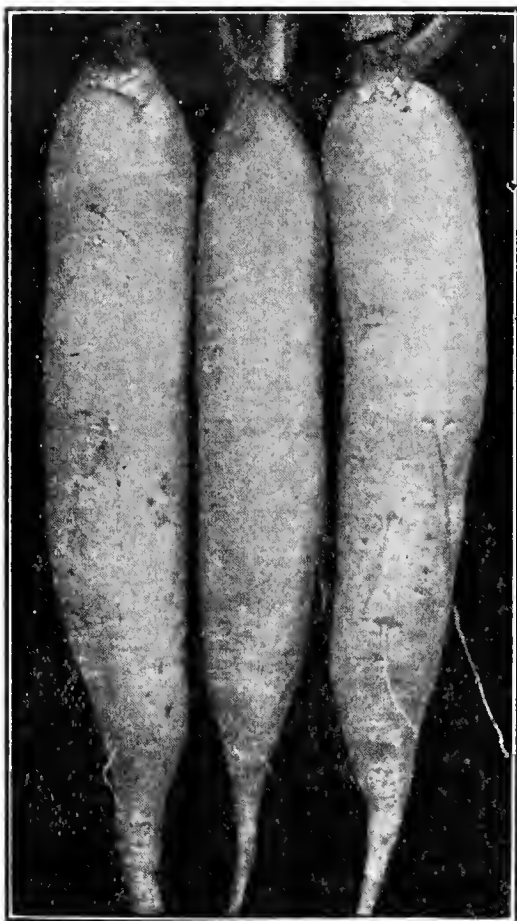
MEDIUM EARLY, OLIVE SHAPED

**French Breakfast, or Half-Long White Tipped.** Medium size, of quick growth, crisp and tender; terminates more abruptly than the Half-Long Scarlet, lower end of tap root white.

LATE LONG

**Charter, Improved.** Roots long, attaining a large size. It remains crisp and tender until fully grown. Color, scarlet above, shading into white at the tip.

## RADISHES—Continued



WHITE ICICLE

**Iceicle, White.** Roots long and slender, pure white, very attractive. Crisp and tender both when young and until it attains a large size.

**Long Scarlet, Red.** From 6 to 8 inches long, standing nearly half above the ground; bright scarlet, smooth, crisp, tender and mild.

## WINTER

**Black Spanish, Long.** Very hardy and good for winter use. Will keep good all winter. The roots, which present a rusty, black appearance, are large, firm and not liable to become pithy.

**California Mammoth, or White China.** Very large and cylindrical, terminating abruptly with little tap-root; mild and tender, and keeps well all winter. The skin and flesh are of a transparent white.

All Radishes, postpaid, pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 35c; ½ lb. 50c; 1 lb. 75c; 5 lbs. \$3.25; 10 lbs. \$5.00.

## RE-SELECTED RADISHES

It is well known that the ordinary radish seed is saved from radishes that have been planted in the usual way and allowed to go to seed. In following this method there is not any opportunity to have the radishes rogued or re-selected. For the best gardeners' trade we are offering transplanted or re-selected stock seed of Scarlet Globe and Sparkler, Sparkler being an improvement over the old reliable Scarlet Turnip, White Tipped. Oz. 20c; 2 oz. 30c; ¼ lb. 40c; ½ lb. 60c; 1 lb. \$1.00; 5 lbs. \$4.25; 10 lbs. \$7.50.

## RHUBARB

**Victoria or Mammoth.** Very large; the finest cooking variety. Pkt. 5c; oz. 25c; 2 oz. 40c; ¼ lb. 60c; ½ lb. \$1.00; 1 lb. \$1.75.

## SALSIFY, VEGETABLE OYSTER

**Mammoth Sandwich Island.** Of superior quality. Pure white. Very meaty and of fine flavor. Grows uniformly large. Pkt. 5c; oz. 25c; 2 oz. 40c; ¼ lb. 60c; ½ lb. \$1.00; 1 lb. \$1.75.

## SPINACH

**Denmark, King of.** The leaves are thick, stand well after cutting and are of good quality.

**Long Standing.** An improved variety slow going to seed, and perhaps the best for general use.

**New Zealand.** The plant becomes very large and spreading. The leaves are comparatively small, broad and pointed. Plant three or four seeds in hills two feet apart each way. Keep leaves well picked and you will have delicious greens all summer.

**Thick Leaved, Improved.** A rapid growing variety forming a cluster of large, thick, slightly savoyed leaves of fine quality when cooked. Popular with market gardeners.

All Spinach, postpaid, pkt. 5c; 1 oz. 10c; 2 oz. 15c; ¼ lb. 25c; ½ lb. 35c; 1 lb. 50c; 5 lbs. \$2.00; 10 lbs. \$3.50.

## SQUASH

## SUMMER

**Bush Scallop, White.** This is the well known, very early, somewhat flattened scalloped bush squash. The color is creamy white with comparatively smooth surface.

**Cocozelle.** Also known as Italian Vegetable Marrow. The oblong fruits measure from 12 to 16 inches in length. Color dark green marbled with yellow and dark green stripes. Very productive. Unsurpassed in richness.

**Crookneck, Early Yellow.** An early prolific kind having a solid curved neck; the skin is yellow, thin, hard and very warty, flesh tender and of good quality.

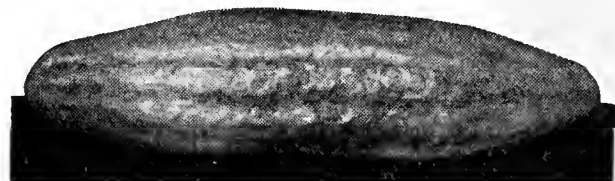
**Straightneck Giant Yellow.** This is bred from the yellow crookneck and retains the warty, creamy, golden skin and fine quality of the parent stock, but is a great improvement over the old type. Plants are bushy and productive.

Summer Squash, postpaid, pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 60c; 1 lb. \$1.00; 5 lbs. \$4.50; 10 lbs. \$8.00.

## WINTER

**Banana.** Grows from 1 to 2 feet in length. Flesh firm and solid, of beautiful orange-yellow, and excellent quality. Rind or shell smooth and grayish-green color.

BANANA



**Chili Mammoth.** Attains an enormous size, often reaching a weight of 200 pounds, and not infrequently weighs 300 pounds. Despite its size, its flesh is rich and fine flavored. It is especially desirable for stock feeding.

**Delicious.** Delicious is a fall and winter variety. Medium size. The fruit is moderately hard, usually dark green, but sometimes lighter in color and mottled. The flesh is thick, very fine grained and bright yellow in color.



Warty Hubbard

**Hubbard, Chicago Warty.** The fruit is large, heavy and warted, with a very hard shell. The skin is uniformly dark bronze green. The flesh is bright orange-yellow, fine grained, thick, dry and richly flavored.

**Hubbard, Smooth.** Flavor and keeping qualities equal in every respect to the warty, only difference being the surface is smooth.

**Marblehead.** Light green in color. Rich yellow meat and good flavor. Large size. Good keeper, abundant yielder.

**Sibley or Pike's Peak.** Rind smooth, thin, pale green color. Flesh thick, solid, deep orange, dry, delicious flavor.

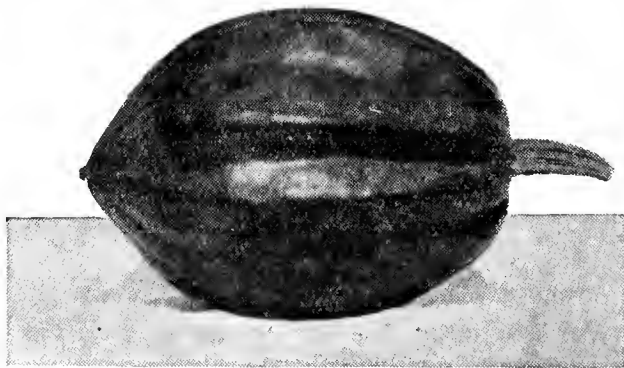


TABLE QUEEN

**Table Queen, or Kitchenette, or Acorn.** A small acorn-shaped, very dark green squash, about 6 inches long and 4 inches in diameter. When fully ripe the rind turns to a bright orange color, but the squashes can be used before ripening, just as well as after.

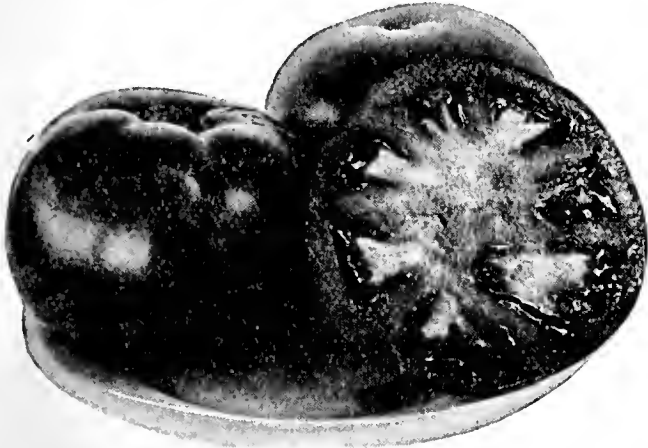
Winter Squash, postpaid, pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 60c; 1 lb. \$1.00; 5 lbs. \$4.50; 10 lbs. \$8.00.



TOMATOES

**Bonnie Best.** A week later than Earliana, but with larger, smoother and sweeter fruits and also surpassing same in productiveness. The fruits are large, handsome, solid and deep through. Of bright scarlet color, ripening without any cracks or green core. Flesh thick, and of sweet flavor.

**Break o' Day.** A tomato outstanding for its early maturity and productiveness. The fruits are almost round and have a bright orange-scarlet skin. The vine growth is moderate. The fruits are solid and heavy, with small seed cavities. Originated by the Department of Agriculture from a cross made between Marglobe and Marvana.



BURBANK

**Burbank.** Fruit, bright crimson; thick, solid, heavy, smooth, firm, medium to large in size; superior quality, unusually heavy and continuous bearer throughout the season; best keeper and shipper.

**Chalk's Early Jewel.** The large, handsome fruits are very solid and deep through. Color is brightest scarlet, ripening without any cracks.

**Earliana.** The earliest large and smooth. The most perfect of all tomatoes. Of large, uniform size and beautiful red color. Quality almost beyond praise. A most vigorous grower and heavy bearer.

**John Baer.** An extra early scarlet fruited variety of superior merit. The fruits are the largest of the extra early sorts and are most attractive in color. They are nearly round, smooth, firm and of excellent quality.

**Marglobe.** A scarlet fruited variety of medium size, smooth and solid, vines making medium to heavy growth, fruit setting in clusters from five to seven and growing from 6 to 8 ounces. It is a cross between the Marvel and Globe.

**Pritchard or Scarlet Topper.** Fruits globe shaped, deep scarlet, smooth and solid. Heavy cropper.

**Stone.** Fine for main crop, very large; color bright scarlet; very smooth, ripening up to the stem without a crack; exceedingly solid.

	Pkt.	1 oz.	2 oz.	¼ lb.	½ lb.	1 lb.
Stone .....	\$0.05	\$0.30	\$0.50	\$0.90	\$1.50	\$2.75
Bonnie Best .....	.05	.30	.50	.90	1.50	2.75
Chalks Early Jewel.....	.05	.30	.50	.90	1.50	2.75
John Baer .....	.05	.30	.50	.90	1.50	2.75
Marglobe .....	.05	.30	.50	.90	1.50	2.75
Earliana .....	.05	.30	.50	.90	1.50	2.75
Pritchard .....	.05	.30	.50	.90	1.50	2.75
Break O'Day .....	.05	.35	.70	1.25	2.00	3.50
Burbank .....	.05	.35	.70	1.25	2.00	3.50
Ground Cherry .....	.10	.50	.80	1.40	2.50	4.50
Yellow Ocar .....	.10	.50	.80	1.40	2.50	4.50

SMALL VARIETIES

**Ground Cherry or Husk.** Plants of low, spreading growth and immensely productive. The small yellow fruits are each enclosed in a husk or covering. When ripe the fruits are an inch in diameter, bright yellow and of very sweet flavor; highly esteemed for preserving.

**Yellow Pear.** The name denotes shape, also color. It is a rich, clear, yellow color and is one of the very best for preserving.

INLAND SPECIAL TOMATOES  
EARLIANA AND BONNIE BEST

These Tomatoes are secured from one who specializes in the production of tomato seed for seed purposes only. These superior strains have been obtained by careful plant selection for years, are carefully rogued and hand picked and everything not measuring up to the high standard set by the grower is rejected and as a natural result a much more uniform and superior quality of fruit is obtained. This stock yields much heavier, produces more even, smooth fruit than ordinary stock. It has proved its superiority by actual tests and comparisons made by our very best gardeners. Pkt. 10c; oz. 50c; 2 oz. 80c; ¼ lb. \$1.40; ½ lb. \$2.50; 1 lb. \$4.50.

SCARLET DAWN

The solid wall, the bright scarlet color and globular shape of this variety are all characteristics that are required in a good shipping tomato. Because of its productiveness, color, earliness and quality, it will appeal strongly to the home gardener as well as to the commercial grower. Pkt. 15c; oz. 75c; 2 oz. \$1.25; ¼ lb. \$2.25; ½ lb. \$4.00; lb. \$7.00.

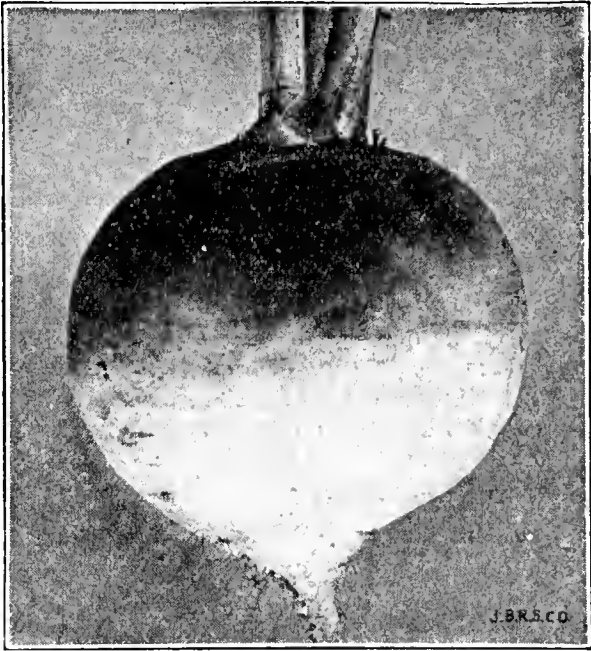
TURNIPS

**Aberdeen, Yellow.** Round, medium size, light yellow; produces a large crop; flesh very firm, tender and sweet.

**Cowhorn.** Sometimes called Long White, is slightly crooked, pure white, except a little shade of green at the top. Grows half out of the ground.

**Early Flat White Dutch, Strapped Leaved.** A leading white-fleshed variety, of medium size. The flesh is firm, but tender, and of a superior rich, buttery flavor.

**Golden Ball, or Orange Jelly.** Globe shaped, yellow fleshed, smooth, attractive in appearance. Small top, flesh firm and crisp.



PURPLE TOP WHITE GLOBE

**Milan, White.** The earliest turnip. A fine, snowy-white color. The skin is so smooth and neat as to seem polished. Size medium, and the flesh is white, tender and smooth grained.

**Milan, Purple Top.** As early as the White Milan. Small top, erect, strap leaved, upper part a deep purple; lower, white; firm, white, sweet flesh.

**Pomeranian White Globe.** Perfect globe shape, skin white, smooth. Has unusual long feeding period before becoming pithy.

**Purple Top, Strap Leaved, Early.** One of the best and most universally grown; small, erect top, round, flat; purplish red above; white underneath; flesh firm, but very tender.

**Purple Top White Globe.** A perfect globe shape, with smooth, white skin; flesh pure white, firm and crisp. Purple above ground.

**Snowball.** A perfectly globe shaped, white skinned turnip. The flesh is fine grained, firm and of very delicate flavor. Very early.

**White Egg.** Egg-shaped, perfectly smooth, pure white variety, with small top and rough leaves. It grows half out of the ground.

**All Turnips, postpaid, pkt. 5c; 1 oz. 15c; 2 oz. 20c; ¼ lb. 30c; ½ lb. 45c; 1 lb. 75c; 5 lbs. \$3.00; 10 lbs. \$5.00.**

RUTABAGAS or SWEDES

**American Purple Top.** Shape oblong, dull reddish color above ground, but yellow underneath; is harder than the common turnip and will keep till spring.

**Bangholm.** Preferred by many as the neck is slender and tapers toward the roots, making it more easily cut off at harvest.

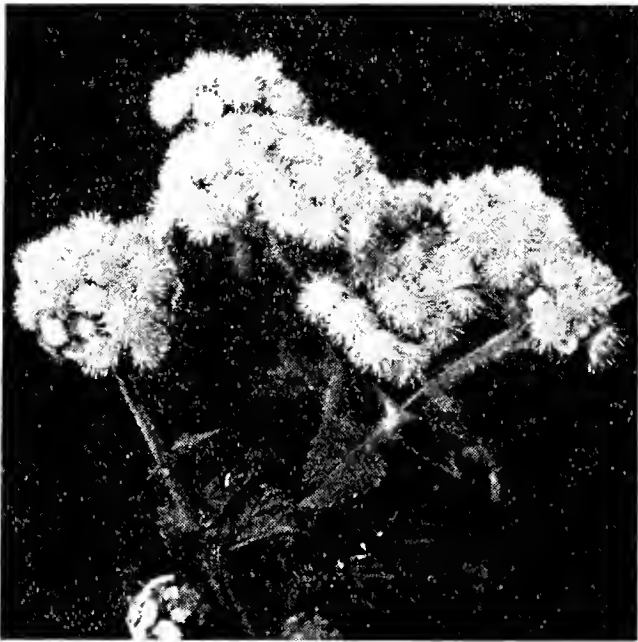
**Neckless.** An improved strain without neck, flesh yellow, fine grained, considered one of the best yellow purple tops.

**White Sweet Russian.** This variety is most excellent, either for table or stock. It grows to a very large size; flesh white, solid, of a firm texture, sweet and rich; an excellent keeper.

**All Rutabagas, postpaid, pkt. 5c; 1 oz. 15c; 2 oz. 20c; ¼ lb. 30c; ½ lb. 45c; 1 lb. 75c; 5 lbs. \$3.00; 10 lbs. \$5.00.**

## FLOWER SEEDS

In describing our flower seeds the letter (A) denotes annual variety; (B) biennial, and (P) perennial.



AGERATUM

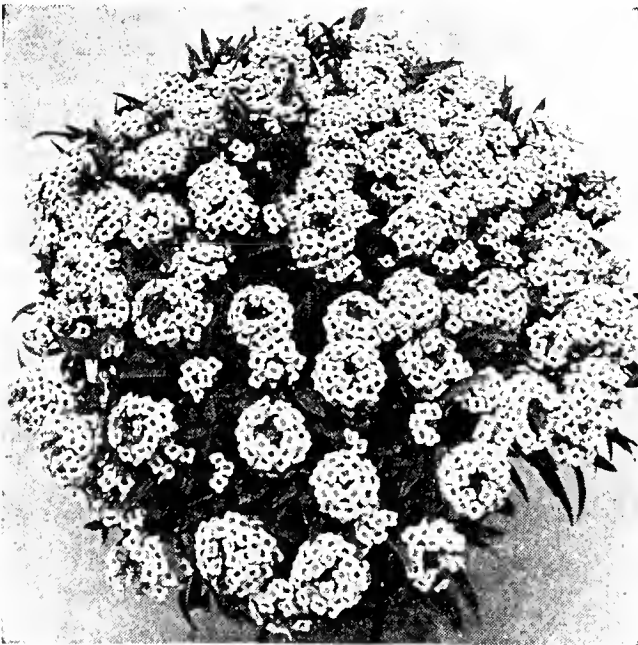
A13

**AGERATUM or FLOSS FLOWER (A).** One of the most useful and profuse-blooming plants known. The attractive feathery flowers borne in dense clusters are very useful for bouquets. Very desirable for outdoor bedding and borders, being covered with bloom nearly all summer. Mixed.

**Ageratum, Fairy Pink.** See inside of front cover for price and description.

**Mexicanum Coeruleum.** Blue.

**Mexicanum Grandiflorum.** White. Pkt. 10c;  $\frac{1}{4}$  oz. 50c;  $\frac{1}{2}$  oz. 90c.



SWEET ALYSSUM

**SWEET ALYSSUM, Carpet of Snow (A).** The plants are very dwarf and spreading; they grow only 3 to 4 inches high, and each plant completely covers a circular space 10 to 15 inches in diameter. They soon become one mass of white, remaining in full bloom from spring to fall. Pkt. 10c;  $\frac{1}{4}$  oz. 50c;  $\frac{1}{2}$  oz. 90c.

**Lilac Queen (A).** Of dwarf compact habit. Produces an abundance of bloom of a deep lavender lilac. Plants about 6 inches high. Pkt. 10c.

**Saxatile (Basket of Gold) (P).** A hardy variety bearing an abundance of yellow flowers in April and May about 9 inches high. Pkt. 10c;  $\frac{1}{4}$  oz. 50c;  $\frac{1}{2}$  oz. 90c.

**AMARANTHUS (A).** Brilliant foliaged, growing from 3 to 5 feet high, bearing curious racemes of flowers. Useful for the center of large beds.

Mixed. Pkt. 5c;  $\frac{1}{4}$  oz. 25c;  $\frac{1}{2}$  oz. 40c.

**Caudatus (Love Lies Bleeding).** Blood red. Pkt. 5c;  $\frac{1}{4}$  oz. 25c;  $\frac{1}{2}$  oz. 40c.

**ARABIS or ROCK CRESS (P).** The blooms are produced in such great profusion that within a short time they appear like a mass of snow. They are excellent for rock gardens or borders. Pkt. 10c;  $\frac{1}{4}$  oz. 35c;  $\frac{1}{2}$  oz. 60c; oz. \$1.00.

**ASPARAGUS (Plumosis Nanus).** A graceful foliage plant with fern-like leaves of a rich green color. The leaves are very finely divided and very useful for cutting. Excellent pot-plant. Pkt. 10c.

### ASTERS



GIANT COMET

**Comet Giant (A).** Plants are of upright habit, about 2 feet high, producing long stemmed flowers composed of wavy petals. Flowers medium size, double and well formed. A good bedding variety. Mixed, pkt. 10c.

**Improved Crego (A).** Plants robust; about 2 feet high. The large double flowers are well formed, of the Comet type, making a very fine variety for all purposes. Azure Blue, Crimson, Lavender, Pink, White and Mixed. Pkt. 10c;  $\frac{1}{4}$  oz. 40c;  $\frac{1}{2}$  oz. 75c; oz. \$1.25.

**Improved Ostrich Feather (A).** Borne on long stems, which makes them cut flowers par excellence. Plants about 2½ feet high and robust in growth. Mixed, pkt. 10c.

**California Giants (A).** Larger flowers than the Improved Crego, often measuring 5 to 6 inches in diameter, and they are characterized by the Ostrich Feather type of flowers. Mixed: Pkt. 10c;  $\frac{1}{4}$  oz. 90c;  $\frac{1}{2}$  oz. \$1.75.



CALIFORNIA SUNSHINE

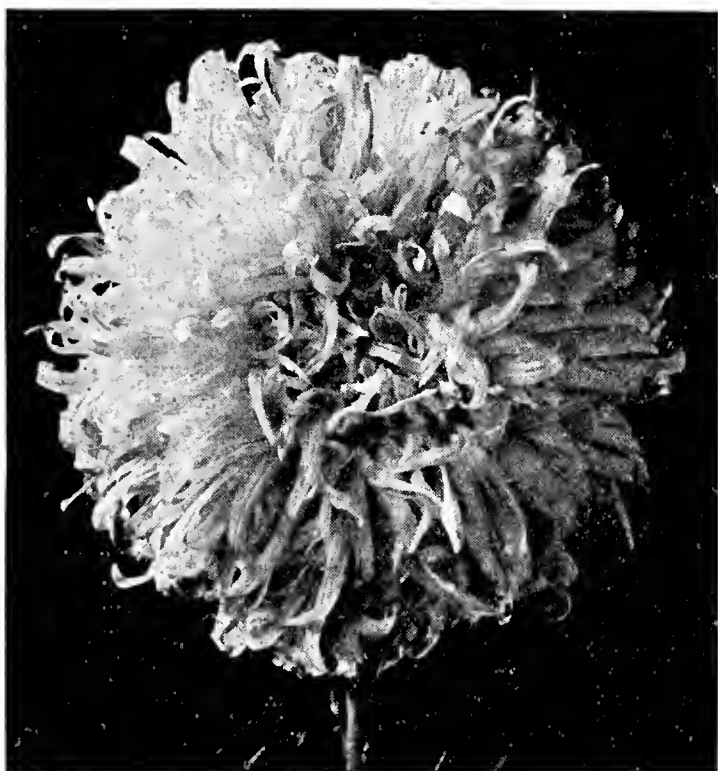


## SPECIAL ASTERS

**Early Beauty.** This new type of Aster comes into bloom at about the same time as Cregos and American Branching. The plants grow from 2 to 3 feet high and are unusually vigorous. The large double flowers measuring from 4 to 5 inches across, are borne on long, stout stems ranging from 18 to 24 inches. **Mixed: Pkt. 10c; ¼ oz. 60c; ½ oz. \$1.00.**

**California Sunshine.** Flowers of unusual beauty, 3 in. across, with a single outer row of petals and Anemone-like center of short tubular florets. The outer petals are of a contrasting color to the center. The branching plants grow 1½ ft. tall and bloom in midseason. **Mixed: Pkt. 10c; ¼ oz. 40c; ½ oz. 75c.**

**Hardy Perennial Asters (Michaelmas Daisies).** Single fall-flowering hardy herbaceous plants, thriving in any good garden soil. If sown early they will flower the first season; 3 feet. **Mixed: Pkt. 10c.**



## Los Angeles Aster

This is the largest and most fully double Aster known. The flowers are from 6 to 8 inches across. The color is a lovely soft shell pink, blending to a creamy pink at the center. **Pkt. 20c; ¼ oz. \$1.25; ½ oz. \$2.25; oz. \$4.00.**

**BACHELOR'S BUTTON, or CENTAUREA CYANUS** (Also called **Corn Flower**) (A). A very hardy annual, producing handsome flowers of a great variety of rich colors. Borne on tall, branching stems. **Double Mixed: Pkt. 5c; ¼ oz. 20c; ½ oz. 30c; oz. 50c.**

**BALSAM or LADY'S SLIPPER** (A). A favorite garden flower, producing its gorgeous masses of beautiful brilliant-colored double flowers in the greatest profusion; 2 feet. Start the seed indoors in April or sow out of doors in May. To grow fine specimens they should not be closer than 18 inches apart.

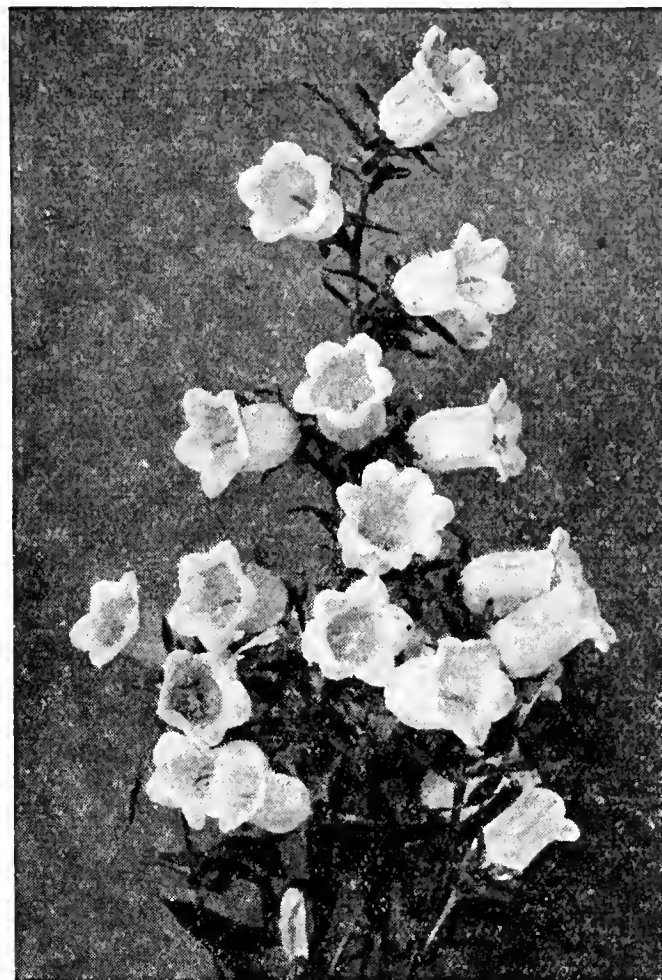
**Double Camellia-Flowered, Mixed.** The largest double variety. **Single Camellia-Flowered, Mixed.** Both, pkt. 5c; ¼ oz. 35c; ½ oz. 60c.

**BLUE LACE FLOWER (Didiscus Coerulus)** (A). Grows into an upright plant of about 2 feet in height. Each branch ends in an umbel of light sky-blue flowers which spread out in an umbrella-like fashion, crowning each shoot with a beautiful and delicate head of flowers. **Pkt. 10c; ¼ oz. 50c; ½ oz. 90c.**

**CALENDULA, POT MARIGOLD** (A). Very hardy, 1 foot high, blooming freely practically the whole year round. Is of the easiest culture and is desirable for rather inferior soils. **Double Mixed: Pkt. 5c; ¼ oz. 20c; ½ oz. 35c; oz. 60c.**

**Orange Ball** (A). A very fine double calendula, a magnificent flower, growing to enormous size, and is outstanding because of its rich orange-yellow color. **Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.**

**CALLIOPSIS** (A). A quick growing annual. The flowers are placed on graceful wavy stems and in color run through all the shades of red and yellow; dainty foliage. Tall double mixed. Tall, single. **Mixed: Pkt. 5c; ¼ oz. 20c; ½ oz. 30c; oz. 50c.**



**CANTERBURY BELLS (Campanula Calycanthemum) (Cup and Saucer)** (B). Produces beautiful single flowers 3 inches in length with saucers 3 to 4 inches in diameter. The plants form pyramids of bloom bearing from 100 to 200 of these exquisite blossoms for weeks during the early summer. A hardy biennial 2½ feet high, flowering the second season from seed. **Mixed, all colors. Pkt. 10c; ¼ oz. 60c; ½ oz. \$1.00; oz. \$1.75.**

## CARNATION

The Carnation has always been one of the most esteemed of flowers, on account of their fragrance, diversity of color and great beauty. For early blooming sow under glass. Can be sown in the open garden. Half hardy.

**Marguerite Double Mixed** (P). The most magnificent of all the Pink family and a general favorite.

**Chabauds Earliest French Mixed** (P). Produces double, sweet-scented flowers, in a great variety of colors and in great profusion. **Both varieties: Pkt. 10c; ¼ oz. 60c; ½ oz. \$1.00; oz. \$1.75.**

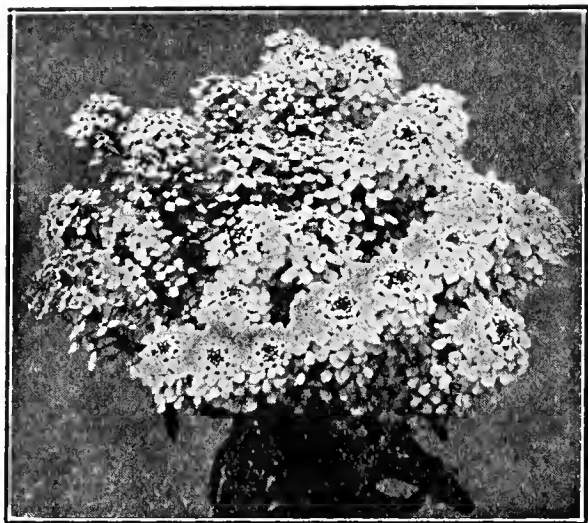
## CENTAUREAS

**Moschata Alba Royal Sweet Sultan** (A). This is undoubtedly the finest of all Sweet Sultans for cut flower purposes. The beautiful sweet-scented artistic-shaped flowers are borne on long, strong stems. **Mixed: Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.**

**Gymnocarpa or White Leaved Dusty Miller** (A). Silvery white. Fine for bedding, vases, hanging baskets and pots. Sow the seed early and transplant in May. **Pkt. 10c; ¼ oz. 60c; ½ oz. \$1.**

**CHILDSII, CHINESE WOOL FLOWER** (A). A distinct form of the plumed Celosia, with beautiful, ball-shaped flower-heads of a purplish crimson color. Flowers profusely during summer and fall. Two to 3 feet. One of the finest fall-blooming annuals. **Pkt. 10c.**

**CHINESE LANTERN (Physalis Franchetti)** (P). A hardy perennial grown for its showy scarlet-red seed-pods which are easily dried for winter bouquets. The flowers are white, followed by the showy lanterns. **Pkt. 10c; ¼ oz. 50c; ½ oz. 90c; oz. \$1.50.**



CANDYTUFT

**CANDYTUFT (A).** Showy, branching plants bearing in profusion terminal clusters of beautiful single flowers in a wide range of colors.

**Empress (A).** White. Mixed and White, Giant Mixed. Pkt. 5c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

## CELOSIA

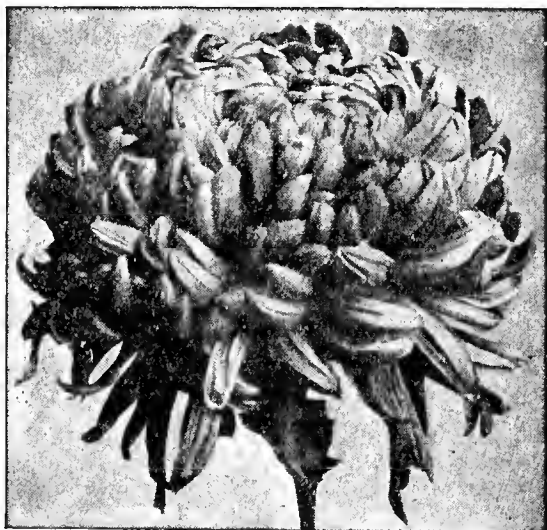
**CELOSIA (Cockscomb) (A).** Free blooming annuals, growing best in light soil not too rich. They make splendid border plants and are attractive for pot.

**Tall Mixed:** Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**Dwarf Mixed:** Pkt. 10c; ¼ oz. 50c; ½ oz. 85c; oz. \$1.50.

**CELOSIA (Plumosa or Plumed) (A).** These stately plants are considered among the most ornamental. They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage. Two to 3 feet.

**Mixed:** Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.



CHRYSANTHEMUM

**CHRYSANTHEMUMS (Painted Lady) (A).** These outdoor "summer Chrysanthemum" are showy and effective. Plants become more bushy and shapely if pinched back in early growth.

**Double and Single Mixed.** Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 65c.

**CLARKIA (A).** Handsome, free flowering annuals of easy cultivation. Produce a fine effect massed in beds. Flowers are very bright and attractive.

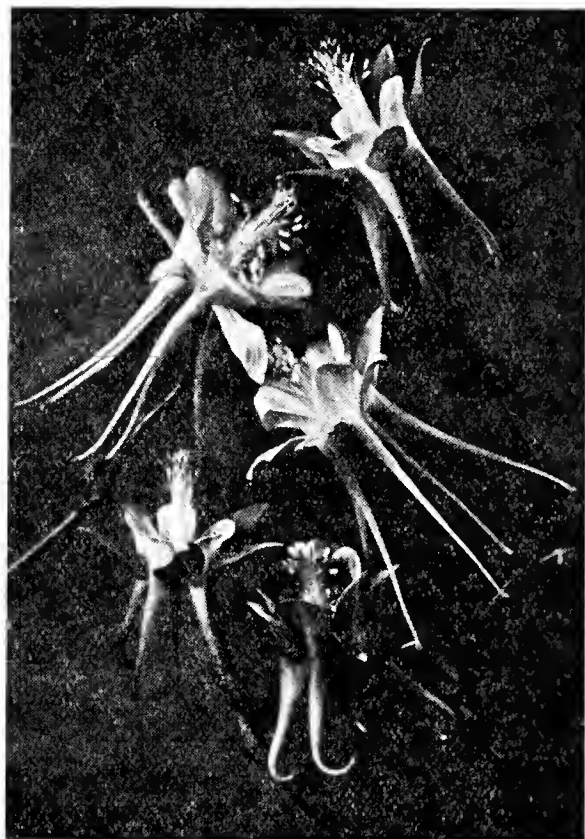
**Double Mixed:** Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

## COLUMBINE

**COLUMBINE or AQUILEGIA (P).** A delightful hardy perennial, growing about 2 feet high, and splendid for permanent beds and borders.

**Single and Double Mixed:** Pkt. 10c; ¼ oz. 30c; ½ oz. 50c; oz. 90c.

**Long Spurred (P).** The long spurred varieties are unquestionably the finest yet produced. Large, beautiful flowers. Pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.25.



LONG SPURRED COLUMBINE

**COREOPSIS LANCEOLATA (P).** Blooms the first year; flower rich yellow, single; very fine for cutting. Pkt. 5c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**COSMOS (A).** A hardy and rapid grower, forming bush-like plants with feathery green foliage, 4 feet high, covered with large flowers somewhat resembling the single dahlia.

**Single Mixed:** Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**Double Mixed:** Pkt. 10c; ¼ oz. 60c; ½ oz. \$1.10; oz. \$2.00.

**Cosmos, Sensation Pinkie.** See inside back cover for description and price.

## DAISIES



SHASTA DAISIES

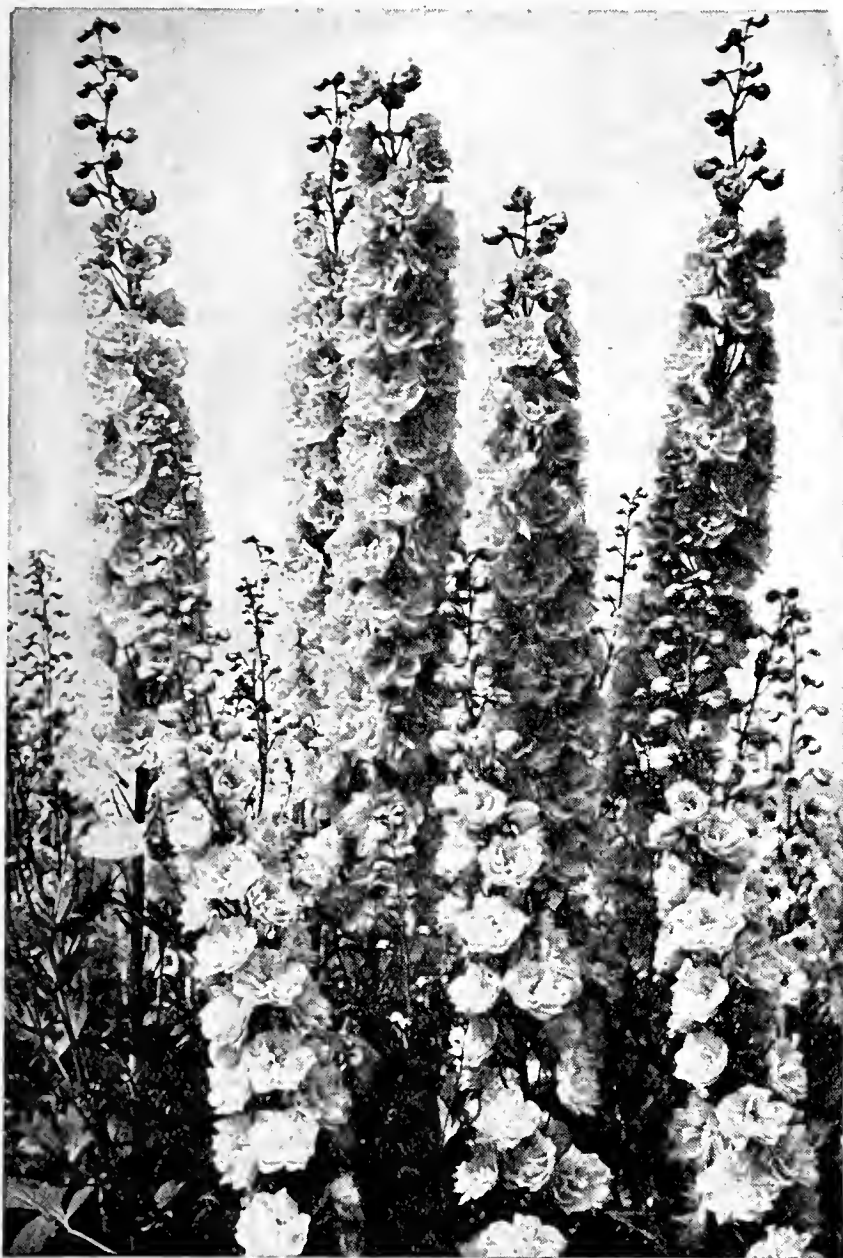
**Shasta (P).** A most remarkable new flower, originated by Luther Burbank, of California; bears flowers of the snowiest white, with yellow centers; blooms the first season and should be sown in boxes early and transplanted. Pkt. 10c; ¼ oz. 50c; ½ oz. 90c; oz. \$1.50.

**African Daisy (Dimorphotheca Aurantiaca) (A).** Its Marguerite-like blossoms, produced in great profusion, are 2½ to 3¼ inches in diameter. These are a unique glossy rich orange gold, which brilliant coloring is rendered more conspicuous by the dark disk surrounding the black zone. Pkt. 10c; ¼ oz. 50c; ½ oz. 90c; oz. \$1.50.



**DAISIES—Continued**

**Bellis, Double Monstrosa English Daisy (P).** A favorite perennial which will stand the winter if given the protection of a little litter. In bloom from early spring until well on in the summer. Mixed, pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.25.



DELPHINIUM, BLACKMORE &amp; LANGDON HYBRIDS

**DELPHINIUM (Larkspur) (P).** Very few plants are as stately, decorative and showy as these. They have a dignity peculiarly their own, with tall graceful spikes covered with bloom from top to bottom in an almost endless variety of colors. Mixed, Dark Blue, Light Blue. Pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.25.

**EVERLASTING**

**Helichrysum (A).** Sometimes called Straw Flower. Large, full, double daisy-like flower heads. Desirable as dried specimens and for use in making winter bouquets. Sow early in spring; thin to 1 foot apart each way. Hardy, 2 to 2½ feet high. **Monstrosum fl pl., finest mixed.** Large double flowers. Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**Honesty (Lunaria Biennis) (B).** Known also as Moonwort, Money and Peters Pence. Bloom is transparent, silvery, loose sprays, dries naturally and lasts all winter in dry bouquets. Pkt. 10c.

**Statice (Sea Lavender) (P).** One of the most highly prized among the everlasting flowers, as it consists of masses of small bright flowers on large sprays. Mixed, pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**FALSE DRAGON HEAD (Physostegia Virginica) (P).** It forms dense bushes, 3 to 4 feet high, bearing freely during the summer months spikes of delicate pink tubular flowers not unlike a gigantic heather. Pkt. 10c.

**FORGET-ME-NOTS (Myosotis) (P).** A modest little flower. A pretty trailer with blue flowers. Pkt. 10c; ¼ oz. 40c; ½ oz. 75c; oz. \$1.25.

**Cynoglossum Amabile (Chinese Forget-me-not) (A).** Plants about 18 inches high and producing through the summer months sprays of intense blue Forget-me-not-like flowers. A splendid addition to the comparatively short list of real blue flowers. Pkt. 5c.

**FOUR O'CLOCK (Mirabilis) (A).** Is also called Marvel of Peru. A handsome, free-flowering, sweet-scented plant. They open their blossoms about 4 o'clock in the afternoon. Choice mixed, pkt. 5c; ¼ oz. 15c; ½ oz. 25c; oz. 40c.

**FOXGLOVE (Digitalis) (P).** Handsome, ornamental, hardy. The spikes are often 3 to 5 feet long and thickly strung with scores of thimble-shaped flowers. Mixed colors, pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**GAILLARDIA (Blanket-Flower) (A).** Remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom from early summer till November; excellent for beds, borders, or for cutting. Height 2½ feet. **Fine Mixed Double,** pkt. 10c. Perennial, single mixed, pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**GEUM, Mrs. Bradshaw (P).** Perennial of low growth sending up flower-stems 2 feet long. The flowers are double and measure 2 inches in diameter. They are a most intense orange-scarlet. Pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.25.

**GODETIA (A).** Attractive and hardy. The plants bloom profusely and bear showy flowers of rich and varied colors. Tall double mixed, pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**GYSOPHILA or BABY'S BREATH (A).** A pretty, free-flowering plant. Fine for bouquets. Pkt. 5c; ¼ oz. 20c; ½ oz. 30c; oz. 50c. Perennial, pkt. 10c; ¼ oz. 20c; ½ oz. 35c; oz. 60c.

**HOLLYHOCKS, Chater's Superb Double (P).** These fine-old-fashioned perennials are most striking when planted in groups of long rows; their variety of color is wonderful. Double mixed, pkt. 10c; ¼ oz. 50c; ½ oz. 90c; oz. \$1.50.

**ICE PLANT (A).** Six inches high. Leaves covered with crystalline drops. Flowers white or pink. Valued for its remarkable foliage. Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**JOB'S TEARS (Coix Lachryma).** An annual ornamental grass, with broad, corn-like leaves and hard shining seeds of peculiar appearance, giving the plant its name. Two feet. Pkt. 5c.

**KOCHIA CHILDSII (Mexican Fire Bush, or Summer Cypress) (A).** Symmetrical and attractive. The foliage is as fine as moss and of clean, bright, green color. Early in the fall innumerable little flowers appear and the bush takes on a deep red tinge. Pkt. 5c; ¼ oz. 25c; ½ oz. 40c; oz. 65c.

**LARKSPUR (Delphinium) (A).** The Larkspur with its long clustered spikes of beautiful irregular flowers, often with long spurs is especially valuable for its shades of blue.

Mixed Dwarf Double. Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

Mixed Tall Double. Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**LINUM (Scarlet Flax) (A).** A very showy bedding plant, having fine foliage and delicate stems, with brilliant scarlet-crimson flowers. Pkt. 5c. Blue, 5c.

**LOBELIA**

**LOBELIA (A).** A very valuable and beautiful dwarf-growing plant, delicate drooping habit and profusion of charming little blue and white flowers. Highly desirable for borders.

Dwarf Single Mixed. Pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.00.

Tall Single Mixed. Pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.00.

Dwarf Single Blue. Pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.00.

Tall Single Blue. Pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.00.

**Crystal Palace Compacta (A).** Dwarf, rich, bright blue. Pkt. 10c; ¼ oz. 90c; ½ oz. \$1.50; oz. \$2.50.

**Bedding Queen.** Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. Pkt. 15c; ¼ oz. \$1.00; ½ oz. \$1.75; oz. \$2.50.

**LUPINUS (P).** Free-flowering, easily-grown with long graceful spikes of pea-shaped flowers; valuable for borders, beds and for cutting; prefers a little shade; 2 feet.

**Polyphyllus (P).** Mixed, pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**MARIGOLD**

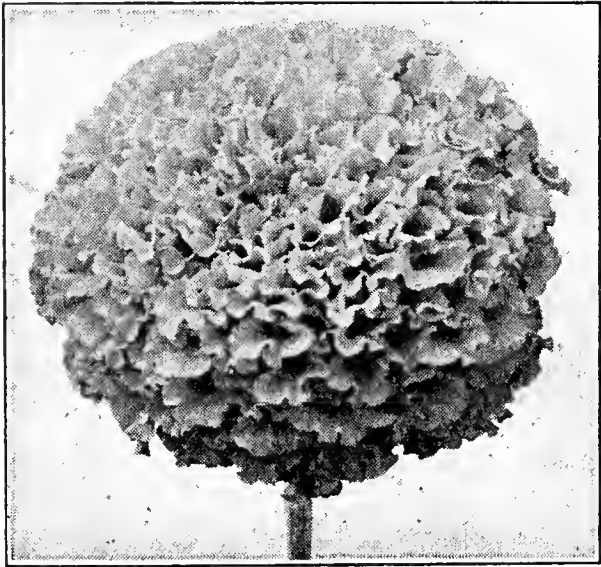
**Marigolds (A).** The African varieties grow 2 to 3 feet tall, bear large yellow or orange-colored flowers, and are adapted for large beds or mixed border. The French varieties are dwarfed in growth, with beautiful striped flowers 3 to 4 inches in diameter, and are better suited for bedding and pot culture.

**New Collarette Marigold, Crown of Gold.** See inside front cover for description and prices.

**Marigold Gigantea, Sunset Giants.** See inside back cover for description and prices.

**AFRICAN**

**Lemon Ball.** Extra large, round, double flowers of a clear canary-yellow. The beautiful flowers combine large size with good form and beautiful coloring. Tall.



MARIGOLD

**Orange Ball.** Enormous double flowers of intense rich orange. The flowers are produced in great profusion from July until frost. Tall.

**Dwarf Double.** About 1½ feet high; large flowers; desirable for shrubbery or mixed border. Mixed.

**Tall Double.** About 2 feet high with flowers 3 to 4 inches in diameter, in shades of yellow and orange. Mixed.

	Pkt.	¼ Oz.	½ Oz.	Oz.
Lemon Ball.....	\$0.10	\$0.35	\$0.60	\$1.00
Orange Ball.....				
Dwarf Double Mixed.....				
Tall Double Mixed.....				

FRENCH

**Dwarf Double.** One foot high with large flowers. Mixed.

**Tall Double.** One and one-half feet high with large double flowers. Mixed.

**Legion of Honor.** A lovely variety with single flowers borne profusely and continuously. The blooms are rich golden yellow, marked with a large spot of velvety crimson at the base of each petal. Of compact growth, 9 inches in height.

**Golden Ball.** Bright orange, dwarf, double.

	Pkt.	¼ Oz.	½ Oz.	Oz.
Dwarf Double Mixed.....	\$0.10	\$0.30	\$0.50	\$0.90
Tall Double Mixed.....				
Legion of Honor.....				
Golden Ball.....				

**MARIGOLD, DWARF ROYAL SCOT, ALL-DOUBLE.** Special Mention, All-America Selections, 1937. Royal Scot is a new achievement in Marigolds, new in color and new in that it is dwarf and double. Its growth is dwarf and bushy, every plant of a uniform shape and height of about 10 to 12 inches. Color is a rich mahogany and gold in uniform stripes. It is a splendid plant for borders and blooms for a long period from mid-summer until frost. Pkt. 15c.



**Guinea Gold.** Distinctly new in type, of graceful pyramidal habit, Guinea Gold produces a neat, compact plant, about 2½ ft. high, literally covered with blossoms. The flowers, about

2½ inches across, are semi-double in character, and loosely ruffled. The color is a brilliant golden orange or California gold. Flowers are somewhat smaller than the usual type, but much more plentiful. Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

MIGNONETTE

**Allan's Defiance (A).** Spikes grow to a remarkable size, of delicious fragrance. The individual florets are large and form a graceful spike. Pkt. 10c; ¼ oz. 20c; ½ oz. 35c; oz. 60c.

**Golden Machet.** A compact growing variety with medium long thick spikes of yellow flowers, very fragrant. Pkt. 10c; ¼ oz. 20c; ½ oz. 35c; oz. 60c.

NASTURTIUM

For ease of culture, duration of bloom and brilliancy of color, nothing excels Nasturtiums.

**Golden Glean (A).** It is semi-tall running from 2 to 2½ feet high. Sweet scented, with long stems. The large golden yellow flowers average 2½ to 3 inches across. They are borne on erect, stiff stems 6 inches in length, and stand well above the foliage, an arrangement which adds immeasurably to the showy appearance of the plant. Pkt. 5c; oz. 20c; 2 oz. 30c; ¼ lb. 50c; ½ lb. 75c; lb. \$1.25.

DWARF

**Finest Mixed.** This mixture is selected from the very finest varieties and when planted in beds or masses will present a most brilliant and pleasing effect. Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 75c; lb. \$1.25.

TALL

**Finest Mixed.** This is a very superior mixture and consists of a number of the best-known varieties and will, without doubt, prove highly satisfactory. Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 75c; lb. \$1.25.

**NEMOPHILA, BABY EYES, LOVE-IN-THE-GROVE (A).** The pretty, bell-shaped flowers are freely produced all summer. Plants 8 inches high; of neat, bushy habit. Mixed, pkt. 5c.

**NICOTIANA, AFFINIS (Tuberose-Flowered Tobacco) (A).** Delightfully sweet-scented, tubular flowers, blooming continually; annual, 2 to 3 feet high. Mixed, pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**NIGELIA, LOVE-IN-A-MIST or DEVIL-IN-THE-BUSH, DAMASCENA (A).** A compact, free-flowering plant with finely cut foliage, curious-looking flowers and seed pods. Height 1 foot. Mixed, double pkt. 10c.

PANSIES



**PANSY (Viola Aricolor) (P).** A half hardy perennial, growing 4 to 6 inches high and probably the best known among the most popular flowers in cultivation, thriving best in a moist, shady location, and in rich, loamy soil.



**PANSIES—Continued**

**Fancy Mixed.** Flowers of richest and most varied shades. Plants hardy and vigorous. A very fine mixture. Pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.00.

**Mastodon (Mixed).** These have been carefully re-selected and bred up to their present excellence, and for giant size, substance, form and coloring they are unsurpassed. Pkt. 25c; ¼ oz. \$2.50; ½ oz. \$4.50; oz. \$8.00.

**Masterpiece Giants, Frilled, Mixed.** A splendid mixture of various shapes and markings. The blossoms are perfectly round and are blotched at the base. Pkt. 15c; ¼ oz. \$1.50; ½ oz. \$2.50; oz. \$4.00.

**Swiss Giants.** These have been carefully re-selected and bred up to their present excellence, and for giant size, substance, form and coloring they are unsurpassed. Mixed, pkt. 25c; ¼ oz. \$3.00; ½ oz. \$5.50; oz. \$10.00.

**Viola Cornuta (Tufted Pansies) (P).** Viola is often mistaken for a small pansy. It belongs to the same family and is one of the best for borders. Very attractive. Free blooming. Mixed, pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.25.

**PINKS**

PINKS

**Dianthus.** The Pinks are old-fashioned favorites and have much variation in color. Both the single and double Pinks are well adapted for bedding and borders, and are suitable also for cutting as the stems are of good length and the brilliantly colored flowers contrast vividly with the rather narrow, bright, light green leaves about 1 foot high.

**Single or Double Mixed (A).** Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**Plumarius (Grass Pink) (B).** A beautiful hardy pink. Fringed-edged flowers. Sweet scented. Single mixed, pkt. 10c; ¼ oz. 50c; ½ oz. 75c; oz. \$1.25.

**PETUNIA**

**PETUNIA (A).** Of easy culture, early to bloom and continues throughout the summer until the first killing frost. No other flower produces a greater diversity of color, retaining its freshness for so long a period.

**Single Mixed.** Pkt. 10c; ¼ oz. 40c; ½ oz. 75c; oz. \$1.25.

**California Giants (A).** Flowers very large in great variety of colors and markings with yellow throats. Fringed. Mixed, pkt. 25c; ¼ oz. \$5.00; ½ oz. \$9.00. See inside back cover for full description.

**Pride of Portland (A).** A very fine shade of pink. Large flowers ruffled. Pkt. 25c; ¼ oz. \$5.00; ½ oz. \$9.00.

**Elks Pride (A).** A very rich purple with a velvety black lustre over all. Large single flowers. Pkt. 25c; ¼ oz. \$5.00; ½ oz. \$9.00.

**Rosy Morn (A).** A bright rosy pink, with silvery white throat, very charming, compact, and free flowering. Makes a very dainty and effective border. Pkt. 10c; ¼ oz. \$1.00; ½ oz. \$1.75.

**Double Fringed Petunias.** Clover Leaf mixture of double fringed petunias is carefully selected from the best large flowering double fringed plants. It is well understood that the flowers are not all double, but those that come single will be fine large blooms. Mixed, pkt. 30c.



PETUNIA

**PHLOX**

**Phlox Drummondii (A).** Of all summer-flowering annuals, the varieties of Phlox Drummondii are unquestionably one of the most brilliant and satisfactory. Seed may be sown in the open ground any time after danger from frost is past, and in a few weeks the beds or borders are aglow with their brilliant coloring and remain so until cut down by frost. For early flowering they should be started indoors or in a hotbed.

**Grandiflora Mixed.** Pkt. 10c; ¼ oz. 50c; ½ oz. 80c; oz. \$1.25.

**Perennial Mixed.** Pkt. 15c; ¼ oz. 90c; ½ oz. \$1.50; oz. \$2.50.

**Star (A).** The petals of these flowers have fringed or toothed edges, darker centers, and margins of a different shade, giving them the appearance of twinkling stars. Pkt. 10c; ¼ oz. 60c; ½ oz. \$1.00; oz. \$1.75.



PHLOX DRUMMONDI

**POPPIES**

**Caroline King (Echscholtzia Californica) (A).** Beautiful carmine rose color, both on the interior and exterior of the flower. Very handsome. Single. Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**Golden West (Echscholtzia) (A).** Commonly known as California poppy. Color, rich, rare tints of yellow and orange; very beautiful. Single. Pkt. 5c; ¼ oz. 25c; ½ oz. 40c; oz. 65c.

**POPPIES—Continued**

**Mixed (A).** This is a special mixture and comprises many of the best named varieties and embraces all colors and shades of the *Eschscholtzia* California type of poppies. Pkt. 10c; ¼ oz. 50c; ½ oz. 80c; oz. \$1.25.

**Iceland (P).** A graceful, delicate variety, the petals resembling crumpled tissue paper. The plant is low-growing, but the stems are long and slender. Single, mixed, pkt. 10c; ¼ oz. 60c; ½ oz. \$1.00; oz. \$1.75.

**Oriental (P).** One of the showiest of the perennials, with enormous flowers. The leaf is long and deeply cut and clothed with white, bristly hair. Single, mixed, pkt. 10c; ¼ oz. 50c; ½ oz. 80c; oz. \$1.25.

**Paeony Flowered (A).** Large, showy flowers, closely resembling a small paeony. Profuse bloomer. Double mixed, pkt. 5c; ¼ oz. 25c; ½ oz. 40c; oz. 65c.

**Shirley Improved (A).** The most beautiful type of poppies, having soft, hairy foliage, and a great variety of blossoms. Free blooming and fine for bedding or tall border. Single mixed, pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 65c.

**PORTULACA or ROSE MOSS (A).** Brilliant, dwarf, only 6 inches high, luxuriating in warm situations and blooming profusely from early summer to autumn. For masses of color, from spring until frost, they are indispensable.

Single Mixed. Pkt. 10c; ¼ oz. 40c; ½ oz. 75c; oz. \$1.25.

Double Mixed. Pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.00.

**PRIMROSE**

**Primula Vulgaris (P).** The beautiful wild English Primrose. It grows best in shady places. The seed is very slow in germinating and may stay in the ground a year, but once established, the plants are quite hardy. The flowers are clear yellow with touch of orange at base. Six inches in height. Pkt. 25c.

**Sinensis or Chinese (P).** The beautiful, large fringed flowers stand in pyramids arranged on short flower stems, specially fine for winter and spring flowers in the house; easily grown; free bloomers. Finest single mixed. Pkt. 25c.

**Oenothera (Evening Primrose) (A).** A free bloomer producing bright colored single flowers which open on the approach of twilight. Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**PYRETHRUM (A).** A fine hardy plant with large daisy-like flowers. Blooms during May and June. A free bloomer and flowers most excellent for cutting. Foliage and flowers both very ornamental. Large flowering. Double and semi-double and single mixed. Pkt. 15c.

**RICINUS, or CASTOR OIL BEAN (A).** Ornamental plants of steady growth and picturesque foliage with brilliant colored fruit, producing a sub-tropical effect; fine for lawns, massing or center plants for beds. Finest mixed, pkt. 5c; oz. 30c.



SALPIGLOSSIS (VELVET FLOWER)

**SALPIGLOSSIS (A).** The quaint, funnel-shaped flowers somewhat resemble those of the *Petunia*; beautiful range of colors; 2½ feet tall and a continuous bloomer. Finest mixed, pkt. 10c; ¼ oz. 40c; ½ oz. 75c; oz. \$1.25.

**SALVIA AMERICA (Globe of Fire).** These attractive bushy plants do not grow over 15 inches high, with the spike of brilliant scarlet flowers thrown well above the plant, making a total height of about 2 feet. Pkt. 15c; ¼ oz. \$1.25; ½ oz. \$2.00; oz. \$3.50.

**SCABIOSA or MOURNING BRIDE (A).** A free-flowering annual. Very effective for garden decoration and valuable for cutting. Dwarf or tall double mixed. Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**Scabiosa, Giant Salmon Beauty.** See inside front cover for price and description.

**SCHIZANTHUS (Butterfly Flower) (A).** Hardy, growing 1½ to 2 feet high and covered with bright, showy, butterfly-like blossoms. Large flowering. Mixed, pkt. 10c.

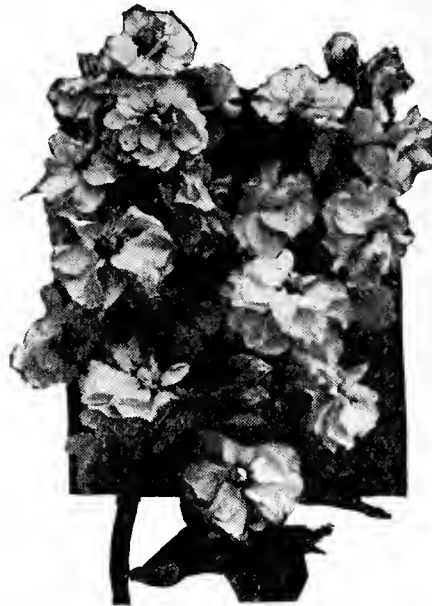
**SNAPDRAGON, or ANTIRRHINUM (P).** One of the most useful and showy plants. Of almost every shade and color. They have recently been much improved and are now really magnificent. Half hardy perennial. Medium tall. Finest mixed, pkt. 10c; ¼ oz. 40c; ½ oz. 75c; oz. \$1.25.

**Rust-proof Snapdragon, Rose Sensation.** See inside front cover for description and price.

**SNOW IN SUMMER (Cerastium Tomentosum) (P).** A very pretty dwarf white leaved edging plant, bearing small white flowers suitable for the rockery or for dry sunny spots or steep banks. Pkt. 10c.

**STOCKS**

**STOCKS.** Sometimes called Gilliflower. Considered almost indispensable where a fine display of flowers is wanted. They produce dense spikes of very fragrant and beautiful rosette-like double flowers.



STOCK

**Matthiola Bicornis (Evening Scented Stock) (A).** No annual in cultivation equals this in delicate perfume. The pink and lilac blossoms partly closed during the day, expand and impart their fragrance in the evening; 12 to 15 inches. Pkt. 5c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**Mammoth Early Branching Nice (A).** Because of their branching habit they produce a great many blooms. For fragrance, brilliancy, diversity of color, profusion and duration of bloom they are unsurpassed. Double mixed, pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.25.

**Dresden Perpetual or Branching (P).** These ever-blooming stocks are popularly called "Cut and Come Again". Sown in March they flower profusely from July until frost; their best period being late autumn. Very fragrant. Double mixed, pkt. 10c; ¼ oz. \$1.00; ½ oz. \$1.75; oz. \$3.25.

**SUNFLOWER (Helianthus) Double Chrysanthemum Flowering (A).** This pretty sunflower grows to be about 3 feet high and has late in summer bright golden yellow flowers on stiff stem, fine for cutting. This is a pretty and refined flower, 4 inches across. Pkt. 5c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**SWEET ROCKET (Hesperis) (P).** Among the most desirable of hardy flowers, also known as Dame's Rocket and Dame's Violet; grows from 2 to 3 feet high and bears spikes of showy fragrant flowers. Mixed, pkt. 5c.

**SWEET WILLIAM (P).** A well-known, attractive free flowering, hardy perennial, producing a splendid effect in beds and borders with rich and varied flowers.

Mixed Double. Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

Mixed Single. Pkt. 5c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**THUNBERGIA (Black-Eyed Susan) (A).** One of the best trailing plants for boxes, vases, etc. Neat, compact growth. The pretty flowers, an inch in diameter. Mixed, pkt. 10c.



VERBENA

**VERBENA (A).** Very few annuals will make such a gorgeous display during the summer months. Start seed in the house or under glass early in the spring and transplant after 3 or 4 inches of growth. They flower in July and continue until frost. Mammoth extra choice, mixed, pkt. 10c; ¼ oz. 40c; ½ oz. 75c; oz. \$1.25.

**VINCA (Periwinkle) (P).** Very attractive plants with glossy green foliage, suitable for summer bedding and borders. If sown early under glass and transplanted in a warm, sheltered situation will bloom in summer and autumn and may be potted for the house before frost. About 15 inches high. Mixed, single, pkt. 10c.

**WALL FLOWER (P).** Produces spikes of beautiful, exceedingly fragrant flowers. Half-hardy.

**Mixed Single.** Large flowering. Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**Mixed Double.** Pkt. 15c; ¼ oz. \$1.25; ½ oz. \$2.00; oz. \$3.50.

**GARDEN MIXTURE (A).** A garden is not complete without a bed of this mixture of flowering annuals. A package will sow a bed about 2 by 10 feet, and if sown early in the spring will furnish continual bloom throughout the season.

**Annuals.** Pkt. 10c; oz. 30c; 2 oz. 50c; 4 oz. 90c.

**Perennials.** Pkt. 10c; oz. 35c; 2 oz. 60c; 4 oz. \$1.00.

**VIOLETS (P).** Violet Odorata is the well-known English violet, a free-flowering, hardy perennial. Easily grown from seed, though somewhat slow in germinating; succeeds best in partially shaded moist places. Very early bloomer. Sweet scented, very pretty and very popular and a beautiful blue. Pkt. 10c.

**ZINNIAS, DAHLIA FLOWERED**



DAHLIA FLOWERED ZINNIA

**ZINNIAS (A).** Are one of the most brilliant and showy annuals and have been very greatly improved the last few years. The outstanding type at the present time is what is known as Dahlia Flowered. We offer the following outstanding varieties in straight colors, and recommend these as being among the very best.

**Crimson Monarch.** By far the largest and best of the red shades. Flowers often 8 inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit.

**Dream.** A distinct shade of deep lavender, shading to purple. Very large and of fine form. A free bloomer of strong and sturdy growth.

**Golden Dawn.** An excellent color. Rich golden yellow, shading to orange as the flower ages. Blooms are large, of true Dahlia form, borne on long stems.

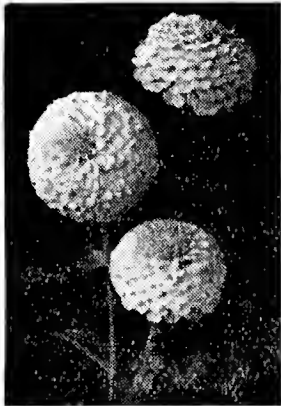
**Scarlet Flame.** An orange-scarlet. A dazzling color; is one of the brightest, always attracting attention. Blooms profusely

**Exquisite.** This is one of the most pleasing of this new collection of Giant Dahlia Flowered Zinnias as regards form and size. A striking self color of deep rose.

The foregoing five Dahlia Flowered Zinnias: Pkt. 10c; ¼ oz. 50c; ½ oz. 80c; oz. \$1.25.

**Gold Medal Dahlia Flowered Mixture.** This special mixture of Dahlia Flowered Zinnias has been grown as separate colors in the field and then mixed in the proper proportions, resulting in a far better mixture than when grown in the field as a mixture. Pkt. 10c; ¼ oz. 50c; ½ oz. 80c; oz. \$1.25.

**California Giants.** As their name implies, flowers are of immense size, very showy and attractive. Finest mixed, pkt. 10c; ¼ oz. 50c; ½ oz. 80c; oz. \$1.25.



LILLIPUT ZINNIA



CALIFORNIA GIANT ZINNIA

**Improved Lilliput Pompon or Baby.** Plants 4 to 6 inches, compact, covered with well formed flowers. Colors range through the red, orange, yellow, pink and other shades. Excellent for pot plant use or for borders. Mixed, pkt. 10c; ¼ oz. 40c; ½ oz. 70c; oz. \$1.00.

**ZINNIAS (Elegans Grandiflora Double).** These are known as the old type Zinnias, and while they do not compare in any way with the Dahlia Flowered type, there has been a great improvement in this type since they were first introduced, and they are now a beautiful flower. Mixed, pkt. 5c; ¼ oz. 40c; ½ oz. 70c; oz. \$1.00.

**ROCK GARDEN**

The following varieties are especially recommended for Rock Gardens:

**ANNUALS**

African Daisy	Linum
Alyssum, Sweet	Portulaca, Double
Candytuft	Stock
Ice Plant	Verbena

If bought separately, they would cost 80c.

Any six, 50c.

**PERENNIALS**

Alyssum Saxatile	Dianthus
Arabis	Geum
Asters	Poppy, Iceland
Canterbury Bells	Snow in Summer
Columbine	Viola

If purchased separately, these would cost \$1.00.

Any six, 50c.



## SWEET PEAS

### MIXED GRANDIFLORAS

**OUR CLOVER LEAF MIXTURE** is blended in the proper proportions and good seed only is used. Therefore, it is highly dependable. Pkt. 5c; large pkt. 10c; oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 75c; 1 lb. \$1.25.

### GIANT SPENCERS MIXED

**OUR CLOVER MIXTURE** is highly dependable, and with proper care should give very satisfactory results. Pkt. 5c; large pkg. 10c; oz. 20c; 2 oz. 30c; ¼ lb. 50c; ½ lb. 80c; lb. \$1.50.

### STANDARD SPENCERS

All the following varieties of choice Spencer Sweet Peas: Pkt. 10c; oz. 30c; 2 oz. 50c; ¼ lb. 90c; ½ lb. \$1.50; 1 lb. \$2.50.

#### BLUE

**Mrs. Tom Jones.** Bright delphinium-blue. Large flowers, beautifully waved.

**Wedgewood.** Bright silver blue. Large, waved flowers, long stems.

#### CREAM

**Dobbie's Cream.** A strong grower; profuse bloomer.

**Majestic.** Very deep cream.

#### CRIMSON

**King Edward.** Deep rich crimson. Does not fade or scorch.

**Crimson King.** Rich deep crimson.

#### LAVENDER

**Austin.** Improved giant lavender.

**Hawlmart Lavender.** A true lavender; beautiful.

#### MAROON

**Warrior.** A rich reddish maroon, flushed with bronze.

**Black Diamond.** A very dark beautiful maroon.

#### ORANGE

**Orange Flame.** This is outstanding as the deepest of all orange-colored Sweet Peas.

**Tangerine Improved.** A very rich beautiful orange.

#### PINK

**Hawlmart.** The color is a rose-pink, flushed and shaded with salmon.

**Margaret Atlee Improved.** A rich glowing pink on cream ground, softly suffused with salmon in the standard.

#### PURPLE

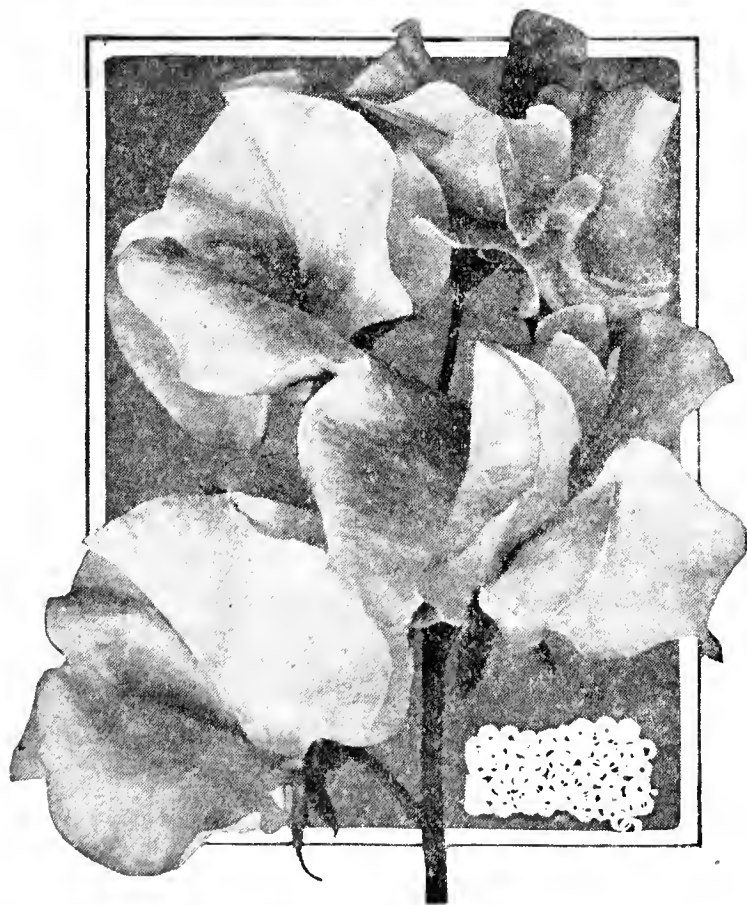
**Purple Olympia.** A rich purple, very pleasing.

**Royal Purple.** The color is a rich, royal purple.

#### SALMON

**Barbara.** A superb salmon that makes a telling bunch either for exhibition or table decoration.

**Smiles.** A clear glistening salmon.



#### SCARLET

**Fiery Cross.** Bright scarlet, which glitters in the bright sunlight with a glowing radiant fire-like sheen.

**Welcome.** A most brilliant dazzling scarlet.

#### WHITE

**King White.** Remarkable for the glistening purity of the whiteness and the perfect finish of the flower.

**White Spencer.** Pure white, large blooms.

### EARLY FLOWERING SPENCERS

The following 6 varieties of specially selected Spencer Sweet Peas: Pkt. 15c; oz. 40c; 2 oz. 75c; ¼ lb. \$1.25; ½ lb. \$2; lb. \$3.75.

**Canary Bird.** Lovely, showy, large deep cream or primrose-colored flowers arranged in fours on long stems.

**Glitters.** The standard is a bright, fiery orange, and the wings are deep orange. The enormous flowers are of substantial texture, and hold up well after cutting.

**Harmony.** Beautiful clear lavender blooms combining into large, artistic, well-proportioned flower-sprays. Gives a charming bunch effect.

**Mrs. Kerr.** This Sweet Pea is in a class by itself. It is the best early-flowering salmon Sweet Pea in existence. Has large, well-waved, artistically proportioned blooms of a beautiful deep salmon color.

**Shirley Temple.** Soft rich rose pink; large flowers, frilled.

**Snowstorm Improved.** The flowers are of immense size, well waved, and of artistic proportions. The texture is thick and substantial. A pure white.

**Mixed.** Pkt. 15c; oz. 40c; 2 oz. 75c; ¼ lb. \$1.25; ½ lb. \$2.00; lb. \$3.75.

### PERENNIAL SWEET PEAS

Easily grown, hardy with smaller flowers and lacking the fragrance of Sweet Peas, but producing a succession of blossom in clusters of eight to ten each. Only a few flowers can be expected the first season. The plants die down late in the fall and start again in the spring.

**Mixed, pkt. 10c; ½ oz. 60c; oz. \$1.00.**

### VINES FROM SEEDS

**BALLOON VINE (Love-in-a-Puff) (A).** A rapid growing annual climber; succeeds best in light soil and warm situation; flowers white, seed vessels like miniature balloons. Pkt. 10c; ¼ oz. 15c; ½ oz. 25c; oz. 40c.

**BALSAM PEAR (A).** A rapid grower, attaining 10 feet in height. Yellow flowers and warted, golden yellow fruit. Pkt. 10c; ¼ oz. 20c; ½ oz. 35c; oz. 60c.

**BEANS, Scarlet Runners (A).** A great favorite not only as an ornamental climber but for the delicious edible beans which succeed the bright scarlet sprays of pea-shaped blossoms. Pkt. 5c and 10c; oz. 10c; 2 oz. 15c; ¼ lb. 25c; ½ lb. 40c; 1 lb. 75c.

**BEAN HYACINTH (Australian Pea Vine) (Dolichos) (A).** This really beautiful climbing plant is of quick growth; foliage is handsome and the clustered spikes of beautiful purple and white flowers are borne in great profusion. **Mixed, pkt. 5c; oz. 10c; 2 oz. 15c; ¼ lb. 25c; ½ lb. 40c; lb. 75c.**

**BOSTON or JAPANESE IVY (Amelopsis Veitchii) (P).** A rapid creeper with lovely green foliage which turns red in fall. Excellent for covering walls, outhouses, etc. Height, 50 feet. Pkt. 10c; ¼ oz. 20c; ½ oz. 35c; oz. 65c.

**CANARY BIRD VINE (A).** A beautiful climber; flowers a bright golden yellow, bearing a fanciful resemblance to birds with expanded wings. Pkt. 10c; ¼ oz. 20c; ½ oz. 35c; oz. 65c.

**CARDINAL CLIMBER.** Attains a height of 15 feet. The leaves resemble those of a fine Japanese maple. The bright scarlet flowers are not large but grow in such profusion as to completely cover the vines. Pkt. 10c; ¼ oz. 40c; ½ oz. 75c; oz. \$1.25.

**CYPRESS VINE or IPOMEA QUAMOCLIT (A).** A climber of rapid growth, having handsome fern-like foliage and a profusion of bright, attractive flowers. **Mixed, pkt. 10c; ¼ oz. 20c; ½ oz. 35c; oz. 65c.**

**COBEA SCANDENS (A).** It climbs 30 feet in a season. The flowers are bell-shaped. Very prolific and perfectly hardy. The vine is always clean of insects. **Mixed, pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.**

**GOURD (Cucurbita) (A).** The vines make a rapid growth. The foliage is ornamental. Do not plant the seed till danger of frost is over, and select light, rich soil and a sunny situation. Water freely. Ten to 20 feet high. **Mixed, pkt. 5c; ½ oz. 20c; oz. 35c.**

**Japanese Kudzu (P).** The blossoms are large and in panicles somewhat like the Wistaria, but larger in size. Color is a pleasing shade of purple. Foliage luxuriant. The vine is extremely rapid and dense in growth, perfectly hardy. Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**Japanese Hop (Humulus) (A).** A charming climber, attaining a growth of 20 to 25 feet in a few weeks. The leaves (6 to 7 inches across) are beautifully marked and variegated with white yellowish green. Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**Moon Flower or Ipomea, Mexicana Grandiflora (A).** Rapid growing climber, belonging to the Morning Glory family. The flowers are large, waxy white and very showy. Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

MORNING GLORIES

**MORNING GLORY (A)** (*Convolvulus Major Ipomea Purpurea*). Tall, fine mixed, a great variety of colors of the popular old-fashioned sorts. Pkt. 5c; ¼ oz. 15c; ½ oz. 30c; oz. 50c.

**GIANT JAPANESE FRINGED (Imperials) (A)**. The flowers of this variety are often three inches or more across and come in a great variety of colors. The foliage in some plants comes plain green, in others it is mottled with white and shades of yellow. Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**HEAVENLY BLUE IMPROVED**. Deep heavenly blue shading light towards center. Blooms very large and showy.

Rapid grower, with a quantity of huge dark green glossy leaves. Pkt. 15c; ¼ oz. 40c; ½ oz. 75c; oz. \$1.25.  
**Clark's Heavenly Blue**. See inside back cover for description and price.

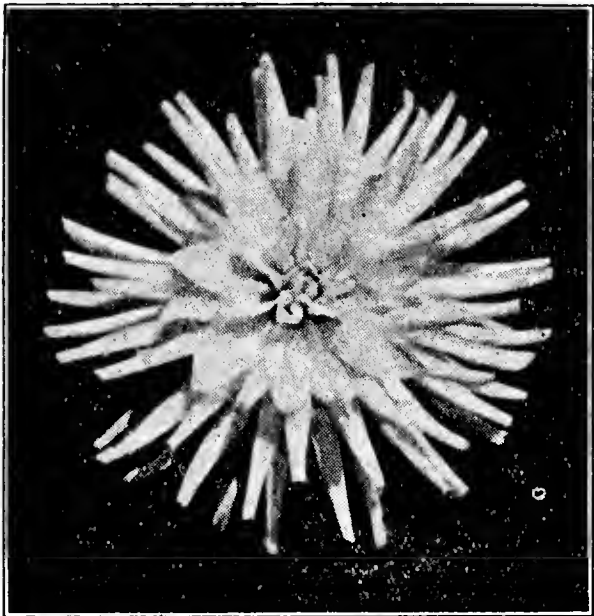
**SMILAX (P)**. Charming, tender, climber for greenhouse or window gardens. The foliage and stems are of a pleasing light green; very graceful; excellent for decoration. Pkt. 10c.  
**WILD CUCUMBER (A)**. A quick growing vine. It will reseed itself. Thickly dotted over with pretty white fragrant flowers, which are followed by an abundance of ornamental prickly seed pods. Pkt. 10c; ½ oz. 20c; oz. 30c; 2 oz. 50c; ¼ lb. 90c; ½ lb. \$1.50; lb. \$2.50.

BULBS

DAHLIAS

The Dahlia is one of the showiest of all autumn flowers. Commencing to flower in July, they are a perfect blaze of bloom until frost.

CACTUS



CACTUS DAHLIA

This type is particularly valued on account of the fact that the flowers will keep in good condition longer after cutting than those of any other type.

CRIMSON

**Hugh Dutton**. Giant flowers of brilliant deep crimson with dark center. Good stems. Each 35c.

MAROON

**Bob Pleuse**. Giant wine maroon, tipped and marked white; good stems. Each 35c.

ORANGE

**Lillian Sheridan**. Orange shaded yellow aurora; petals tipped with gold. Erect stems. Each 35c.

PINK

**Lake Pend Orielle**. Giant blooms on long erect stems; delicate soft pink. Each 50c.

**Laurine**. Giant flowers of deep pink; long, erect stems. Ea. 35c.

PURPLE

**Marathon**. Large incurved flowers on strong stems; color deep rich purple. Each 35c.

RED

**Royalist**. Large incurved flowers of soft coral red color. 35c.  
**Velvet**. Darkest velvet red, large and highly recommended. 35c.

SALMON

**Enchanting**. Giant flowers of rich rosy salmon with large golden centers. Each 50c.

SCARLET

**Multnomah**. Perfect, large centers of rich scarlet, heavily tipped with white. Each 35c.

WHITE

**Mary Muir**. Extra fine cut flowers. Large ivory white blooms, erect stems. Each 35c.

YELLOW

**Golden West**. Large flowers on erect stems; deep rich yellow overlaid with orange. Each 35c.

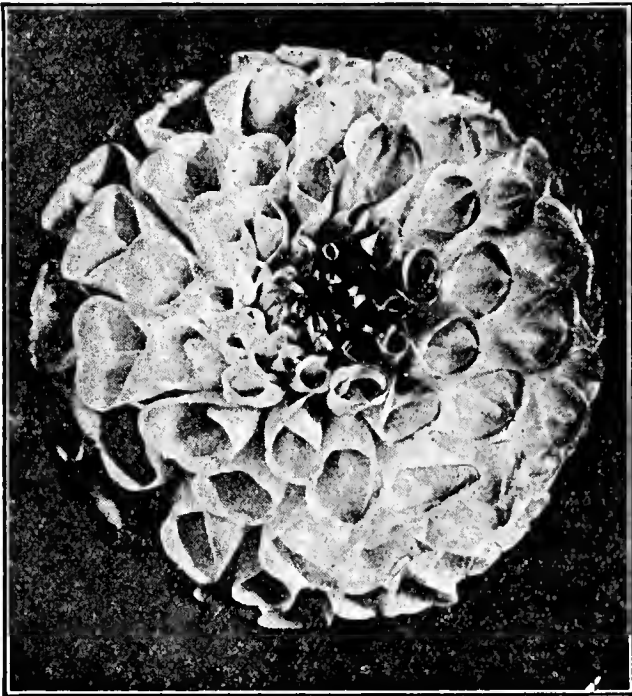
Any three of the 35c Dahlias, \$1.00.

Any three of the 50c Dahlias, \$1.25.

DECORATIVE

The Decorative Dahlies are an intermediate form between the Show and Cactus types. Many beautiful varieties have been introduced, some with flat petals, others reflexed, incurved or curiously twisted.

DECORATIVE DAHLIAS



CLARET

**Fort Monmouth**. See back cover for price and description.

CRIMSON

**Glendenning**. Giant bloom of bright glowing crimson; extra long, erect stems. Each 35c.

ORANGE

**City of Trenton**. Giant tangerine orange, while the reverse is a crushed strawberry red. Each 50c.

LAVENDER

**Claude Harlan**. Giant, full double blooms of soft blush lavender. Very free flowering. Each 35c.

PINK

**F. D. Jove**. Giant flowers of rich bronze pink. Strong stems. Each 35c.

**Mr. Crowley**. Exquisite salmon pink. Distinct colored flowers on good stems. Each 35c.

**Mrs. Alfred B. Seal**. See back cover for price and description.

RED

**Dad**. Large, brilliant red flowers, with good stems. Each 50c.  
**Dwight W. Morrow**. Large deep red; one of the best. Each 75c.

SALMON

**Jersey Sovereign**. Large flowers of rich salmon orange. Long erect stems. Each 35c.

**Bagdad**. See back cover for price and description.

SCARLET

**Brilliant**. Hybrid show. Intense fiery scarlet on long, erect stems. A fine cut flower. Each 35c.

WHITE

**Mt. Hood**. Exceptional pure white blooms on good stems; very free flowering. Each 35c.

YELLOW

**Marmion**. See back cover for price and description.

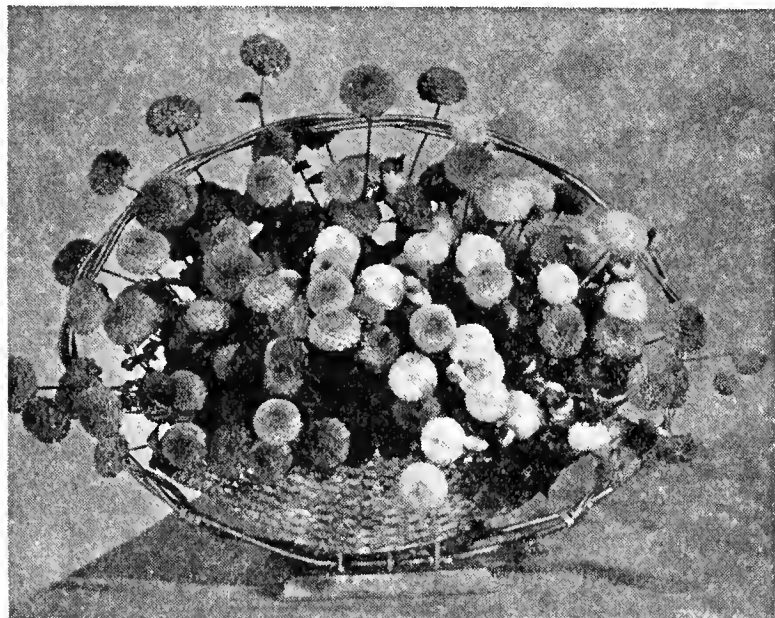
**Oregon Sunshine**. Giant; double flowers of a rich shade of golden yellow; long erect stems; one of the best yellow decorative. Each 50c.

**Paramount**. Light yellow, free flowering, with erect stems. Each 50c.

Any three of the 35c Dahlias, \$1.00.

Any three of the 50c Dahlias, \$1.25.

## POMPON DAHLIAS



The plants grow into neat little bushes which are covered with small, perfectly ball-shaped Dahlias measuring up to 2 inches in diameter. The flowers are always double to the very center and in many varieties the petals are curled.

### LILAC

**Dee Dee.** Small lilac lavender. Good stems. Each 25c.

### PINK

**Rosa Wilmoth.** A fine rose pink on ideal stems; free flowering. Each 25c.

## GLADIOLUS

Gladiolus are the most satisfactory desirable and popular of all the garden bulbs. Nothing else of the kind costs so little, grows and blooms so readily in any soil or climate as Gladiolus. They thrive and bloom with the least care and attention, and make a display which for brilliancy and beauty of coloring few bulbs can equal and none surpass. Plant any time from March to June.

### BLUE

**Mrs. Von Konynenburg.** Charming light blue, tall elegant spikes. Very attractive. 4 for 25c; ½ dozen 35c; dozen 60c.  
**Crimson Glow.** Exceedingly rich crimson flowers. 4 for 25c; ½ dozen 35c; dozen 60c.

### LAVENDER

**Byron L. Smith.** Delicate lavender, deepest at the edges of the petals and shading toward white in the center; gives the impression of an orchid. Well arranged on good stem 4 for 25c; ½ dozen 35c; dozen 60c.

**Marmora.** Beautiful lavender gray giant spikes. Seven or eight large sized blooms open at the same time. 4 for 25c; ½ dozen 35c; dozen 60c.

### ORANGE

**Orange Queen.** A very warm tint; large, open flowers on good stem; justly considered one of the very choicest novelties in Prim Hybrids. 4 for 25c; ½ dozen 30c; dozen 50c.

**Alice Tiplady.** Bright saffron-orange; large, open flowers on strong, stiff stem; excellent cutflower and forcer. Each 5c; ½ dozen 30c; dozen 50c.

### PINK

**America.** Delicate lavender pink, large flowers, borne on strong stems well placed. A very popular variety as a cut flower. 4 for 25c; ½ dozen 30c; dozen 50c.

**Le Marechal Foch.** An early-flowering strong-growing variety with deep rose-pink flowers. Long spikes. 4 for 25c; ½ dozen 30c; dozen 50c.

### SALMON

**Gloriana.** Golden salmon, clear yellow throat; a most beautiful flower. 4 for 25c; ½ dozen 35c; dozen 60c.

**Maidenblush.** Superb light pink; flowers well placed on tall, slender stem; oftentimes producing two and three spikes to the bulb. 4 for 25c; ½ dozen 30c; dozen 50c.



### RED

**Belle of Springfield.** Soft rosy red. Perfect flower on long, erect stems. Each 25c.

### SCARLET

**Vivid.** Rich, bright scarlet. A flower well suited for cutting. Each 25c.

### WHITE

**Joe Fette.** The outstanding pure white pompon. Small, perfect blooms on long, erect stems. Each 25c.

### YELLOW

**Jessica.** Of perfect form on long stems; rich golden yellow, tipped red. Each 25c.

Any six, \$1.25.

## SHOW DAHLIAS

Show Dahlias are usually of solid color, but in certain varieties the tips of the petals may be of another. They are usually round, ball-shaped, and are always beautiful and compact.

### MAROON

**Purple King.** Giant flowers of deep, rich purple maroon. Long, erect stems. Each 35c.

### PINK

**A. D. Livoni.** This old favorite is still one of the best; color, rich pink; fine stems. Each 35c.

### PURPLE

**Anna Rehorst.** Deep purple or maroon shade; good stems. 35c.

### RED

**Big Ben.** One of the largest and best show dahlias. Rich raspberry red. Each 35c.

### SCARLET

**Gold Medal.** Brilliant orange scarlet; a sport from Gold Medal. Long erect stems. Each 35c.

### YELLOW

**Golden Opportunity.** Giant flowers on strong, erect stems; deep golden yellow. Each 35c.

Any three, \$1.00.

### RED

**Flaming Sword.** Brilliant red, slightly overlaid with orange. Tall straight spikes with ten or more flowers open at a time. 4 for 25c; ½ dozen 30c; dozen 50c.

**Mrs. Francis King.** Color is a very pleasant light scarlet, strikingly attractive. Separate flowers often measure 4 to 5 inches across and 5 to 6 flowers are open at one time. 4 for 25c; ½ dozen 30c; dozen 50c.

### SPOTTED

**Halley.** The color is a delicate salmon-pink with a slight roseate tinge, though the lower petals bear a creamy blotch with a stripe of bright red through the center. 4 for 25c; ½ dozen 30c; dozen 50c.

**Mrs. Frank Pendleton.** The flowers are very large and well-expanded, of a lovely flushed salmon-pink with brilliant carmine, or deep blood-red blotches in the throat. 4 for 25c; ½ dozen 30c; dozen 50c.

### WHITE

**Lily White.** A fine snow white variety. Good height and good sized blossoms. Six or seven blooms open at a time. 4 for 25c; ½ dozen 30c; dozen 50c.

**Peace.** Flowers are large, of good form, correctly placed on a heavy, straight spike. Beautiful white, with pale lilac feathering on interior petals. 4 for 25c; ½ doz. 30c; doz. 50c.

### YELLOW

**Golden Dream.** Tall spikes, 6 or 7 blooms open at the same time. One of the best yellows. 4 for 25c; ½ doz. 30c; doz. 50c.

**Schwaben.** A very vigorous grower, also very free flowering. A clear canary yellow shading to sulphury yellow when open. 4 for 25c; ½ dozen 35c; dozen 60c.

All 50c varieties.....50, \$1.75; 100, \$3.00

All 60c varieties.....50, 2.00; 100, 3.50

All 75c varieties.....50, 2.75; 100, 5.00

**Commander Koehl.** Color, vivid scarlet red without markings or blotches. Individual florets 6½ inches across of which there are 6-7 open at a time, producing a flower spike measuring 24 inches from top to first floret. The vivid color, large florets of heavy substance combined with long flower head, places Commander Koehl as a leader in its color class. 3 for 25c; ½ dozen 40c; dozen 75c.

**Pelegrina.** A pure dark violet blue, lower petals somewhat darker. Stands excessive heat as do few other varieties. When the first floret opens, nearly all the 16-18 buds are showing color. This makes the spike with its perfectly faced flowers very attractive. There are 6-8 florets open at a time. A good grower and a splendid propagator. Everyone who grows glads should have it. 3 for 25c; ½ dozen 40c; dozen 75c.

## EXHIBITION MIXTURE

Each 5c; ½ dozen 25c; dozen 40c; 25, 75c; 50, \$1.35; 100, \$2.50.





**Lily of The Valley.** One of the most satisfactory and charming spring flowering plants producing in profusion its delicate bell-shaped delightfully fragrant white flowers. Lilies of the Valley thrive in any common soil, are perfectly hardy, and will succeed in shady situation. Each 10c; 3 for 25c; 12 for \$1.00; 25 for \$2.00; 50 for \$3.75; 100, \$7.00.

**PEONIES**

The Peony with its immense flowers is one of the most desirable perennials. (E) denotes Early; (M) Midseason; (L) Late.

**PINK**

**Edulus Superba (E).** Lovely bright pink; fragrant. Each 35c.  
**Eugene Verdier (E).** Soft hydrangea pink. Each 35c.  
**Marie Crousse (M).** Very large flower; salmon pink. Each 50c.

**RED**

**Felix Crousse (M).** Brilliant rose red; beautiful. Each 60c.  
**Karl Rosen Field (M).** One of the best dark reds. Each 60c.  
**Lottie Collins (M).** Bright red, very good. Each 50c.

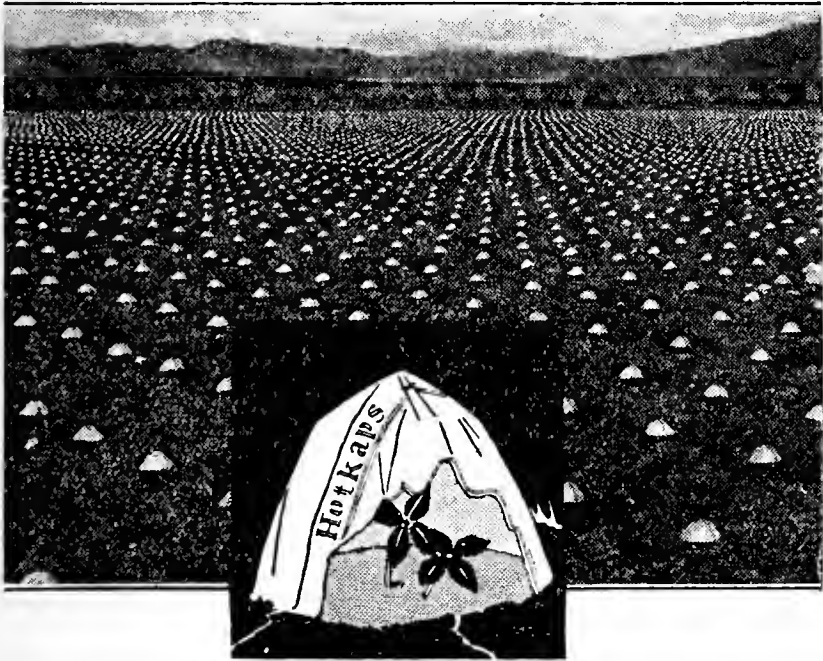
**WHITE**

**Baroness Schroeder (E).** Pure clear white. Each 50c.  
**Marie Lemoine (L).** Ivory white, large flowers. Each 50c.

**MIXED COLORS**  
These mixed colors are not mixed and sold cheap because of small roots or inferior blooms but because names and colors have been misplaced. Very highly recommended. Each 25c; ½ dozen \$1.25.



**Protection for Tender Plants Means Better Results**



**Hotkaps**

Hotkaps are miniature hothouses, manufactured from wax paper, under which the seed of melons, tomatoes, peppers, etc., can be planted, thereby saving the cost of labor of transplanting. Young plants under Hotkaps are protected from frost and insects and will mature more quickly than those transplanted.

Lots of 1,000 .....	\$10.25 per 1000
Lots of 5,000 .....	10.15 per 1000
Lots of 10,000 .....	10.05 per 1000
Lots of 25,000 or more.....	9.95 per 1000
Less than 1000 .....	1.25 per 100
Less than 500 .....	1.50 per 100
Less than 100 .....	.25 per doz.
Thousand weigh 28 lbs. Add postage.	

We also have Hotkaps in small packages as follows:

	Weight	Price
25 Package complete.....	2 lbs.	\$0.50
100 Package complete.....	5 lbs.	2.65
250 Package complete.....	10 lbs.	3.85
Garden Setter alone .....	3 lbs.	.50
Steel Tamper alone.....	5 lbs.	.25
Steel Setter alone .....	5 lbs.	1.25
Add postage.		

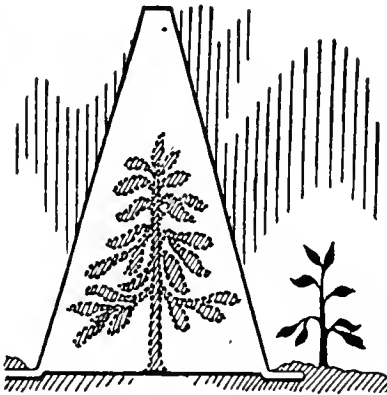
25 Package contains 25 Hotkaps and Paper Setter; 100 Package contains 100 Hotkaps, one light metal Garden Setter and one Steel Tamper; 250 Package contains 250 Hotkaps, one light metal Garden Setter and one Steel Tamper.

**STEEL HOTKAP SETTERS**

In placing the Hotkaps over the plants, the "Hotkap Setter" will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself, with a handle at the top. Add postage.

**HOTKAP CARRIERS**

To make it easier to set them out in quantities, a specially made carrier, holding approximately 150 Hotkaps, will be found very convenient. Price, \$1.50; postpaid, \$1.60.



**WEE HOT HOUSES**

Used in the same manner as Hotkaps. Notice their different shape.

	Per 100
1000 .....	\$0.60
Less than 1000 .....	.75
Less than 500 .....	.90
	Per doz.
Less than 100 .....	\$0.15
Thousand weigh 25 lbs.	
Add postage.	

**HOTENTS**

Hotents protect and force all varieties of plants where a large plant protector is needed. They are made of scientifically manufactured paper which is extra strong; are 10½x14½ inches at the base, and 8½ inches high, supported with two patented covered wire bows fastened to the under side and running parallel across the body. Packed 500 to the package and weigh 35 pounds.

500 .....	\$1.75 per 100
Less than 500 .....	1.90 per 100
Less than 100 .....	.30 per doz.
Add postage.	

Garden and Planting Accessories

PLANT BANDS (PAPER)



They come already folded and set up. The simplest way to handle plants for transplanting is to grow them in our Ready-to-Use Plant Bands. They make an ideal worm guard.

Case, 5,000 .....	\$19.00 per case
Less than case .....	.50 per 100
Less than 1000 .....	.60 per 100
Less than 500 .....	.70 per 100
Less than 250.....	.10 per doz.
Size 2x2. Packed 250 in carton. Weight of 250, 2¼ pounds.	
Add postage.	

PLANT POTS (PAPER)

Plant pots and plant bands are made exactly of the same material, the only difference being that bands have no bottom while pots have.

Case 2,000 .....	\$19.00 per case
Less than case .....	1.10 per 100
Less than 1000 .....	1.25 per 100
Less than 500 .....	1.50 per 100
Less than 250 .....	.20 per doz.
Packed 250 in carton. Size 3x3 in. Weight of 250, 5½ lbs.	
Add postage.	

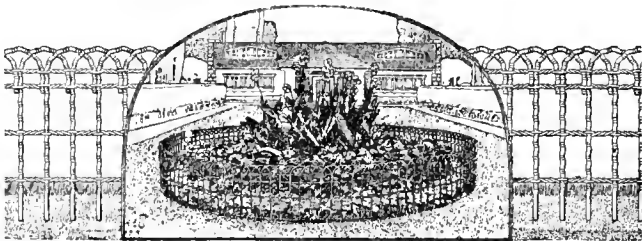
PLANT BANDS (SPRUCE VENEER)

Size 2x2x3 Inches

Lots of 1000 .....	\$4.00 per 1000
Less than 1000 .....	.50 per 100
Less than 500 .....	.60 per 100
Less than 250 .....	.10 per doz.
Mailing weight of 500, 9 lbs. Add postage.	

Size 3x3x3 Inches

Lots of 1000 .....	\$5.00 per 1000
Less than 1000 .....	.60 per 100
Less than 500 .....	.70c per 100
Less than 250 .....	.15 per doz.
Mailing weight of 500, 13 lbs. Add postage.	



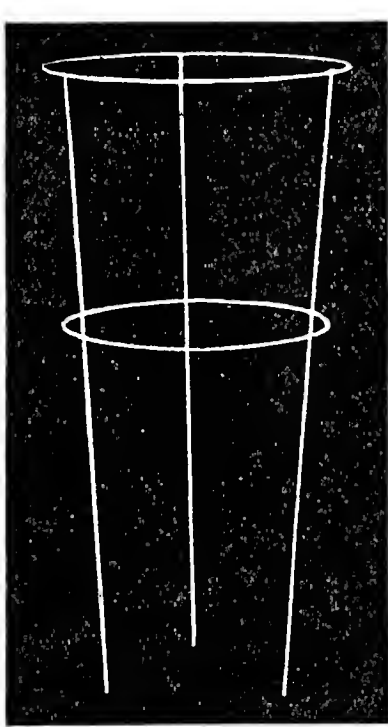
FLOWER-BED BORDER

Pickets of galvanized wire spaced 3 inches apart. Cables of galvanized wire spaced 6 inches apart, except two top cables which are spaced 2¾ inches apart.

Height, inches from top to bottom of pickets.	List price per Lineal Foot
16 in. to extend 12 in. above grade.....	\$0.12
22 in. to extend 18 in. above grade.....	.15
Wire Trellis. Width 18 inches. Per foot.....	.15

STRAWBERRY CRATES

No deck, 100, \$15.00. Less than 100, each, 16c.  
Price not guaranteed.



BAMBOO CANES

Painted Green

Height, 3 and 4 feet. ½ doz. 15c; doz. 25c; 25, 40c; 50, 60c; 100, \$1.00. Weight per doz., 1 lb. Add postage.

Bamboo poles, 6 feet, 1x 1¼ in., not painted. Doz. \$1.00; 25, \$1.75; 50, \$3.00; 100, \$5.00. Weight per doz. Add postage.

PEONY AND PLANT SUPPORTS

Are made of strong galvanized wire. Very strong and durable and can be used to advantage with a great number of different kinds of plants and flowers.

Price of Plant Supports

No.	Wire Gauge	Diameter Top Ring	Diameter Lower Ring	Length Side Wires
1 .....	No. 6	14	12	30 in.
2 .....	No. 6	18	16	30 in.
3 .....	No. 3	24	16	36 in.

No.	Each	½ Doz.	Doz.	25	50	100	Each Weight
1 .....	\$0.35	\$2.10	\$4.00	\$7.50	\$14.00	\$27.00	1½ lbs.
2 .....	.45	2.70	5.00	9.50	18.00	36.00	2½ lbs.
3 .....	.65	3.90	7.50	14.50	28.00	55.00	3½ lbs.

Add postage.

Price of Plant Props

No.	Height	Wire Gauge
4 .....	36 in.	No. 6
5 .....	48 in.	No. 3
6 .....	60 in.	No. 3

No.	Each	½ Doz.	Doz.	25	50	100	Doz. Weight
4 .....	\$0.10	\$0.60	\$1.20	\$2.25	\$4.25	\$8.00	4 lbs.
5 .....	.20	1.10	2.00	3.75	7.25	14.00	9 lbs.
6 .....	.25	1.50	2.75	5.00	9.50	18.00	11 lbs.

Add postage.



National  
**Eezy Wear**  
Garden Gloves

A soft, pliable, all-leather dirt proof glove for both men and women. The unusual quality of extreme softness and pliability is combined in this all-leather glove. Two sizes. Per pair, 75c; postpaid, 85c.

BERRY HALLOCKS (PAPER)

Strawberry self-folding hallocks are tied in bundles of 250, and are known as deep, full-sized pints. Weight of 250, 15 lbs. Raspberry hallocks are also self-folding and tied 250 in bundle, full pints but are known as the shallow type. We do not break bundles of either hallocks. 250 weighs 15 lbs.

Price of both, \$1.50 per bundle, or \$5.50 per M. and subject to change. Add postage.

Present prices not guaranteed.

STRAWBERRIES

EVERBEARING

**Gem.** This is as its name implies, a bright red berry to the core, well flavored and a good shipper. Not as large as Mastodon, better flavored and a much better shipper and a few days earlier.

**Mastodon** is rightly named and without doubt is the largest and best everbearing strawberry. It is a very mastodon in the size of its big, red, luscious berries. Their glossy red color and bright yellow seeds give them a beautiful appearance, and their firm flesh and tough skin make them an excellent shipper.

**Progressive.** As a home garden berry the Progressive fills the bill. The Progressive is a persistent bearer from the time plants are set in the spring until hard freezing.

ONE CROP VARIETIES

**Glen Mary.** A bright, handsome, prolific, standard sort, and perfectly reliable.

**Hood River.** The leading standard shipping variety. Dark red color, uniform size, good quality, but not heavy in yield.

**Marshall.** Produces remarkably large, beautiful fruit, resembling the Glen Mary.

**Premier.** A very early variety, a good shipper. Ideal in color. Berry ripens evenly. No green parts.

**Senator Dunlap.** Its color is a rich dark red, with glossy finish. It has become a very popular variety, perhaps on account of its uniformity.



Mastodon

	Prepaid				Not Prepaid			
	Doz.	25	50	100	200	500	1000	
Mastodon	\$0.50	\$0.85	\$1.25	\$2.00	\$3.25	\$6.50	\$12.00	
Progressive	.50	.75	1.25	1.75	3.00	5.50	10.00	
One crop varieties	.40	.50	.75	1.25	1.75	3.50	6.50	

Quotations not guaranteed.

Good size strawberry plants weigh about 10 lbs. per 200.

PLANTS AND ROOTS

(No Plants or Roots Sent C. O. D.)

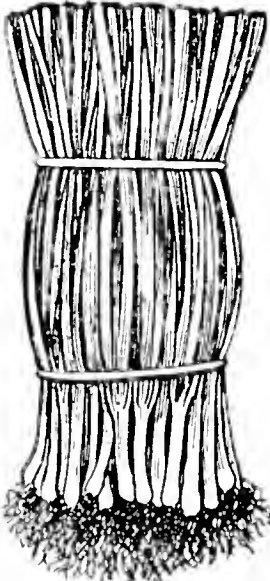
PLANTS, FLOWERING—PERENNIALS AND ANNUALS

Variety	Prices	
	Postpaid	Postpaid
	Doz.	100
Alyssum	\$0.25	\$2.00
Asters	.25	2.00
Carnations	.25	2.00
Cosmos	.25	2.00
Daisies	.25	2.00
Dahlias	.25	2.00
Dusty Miller	.25	2.00
Geraniums, 3-in. pots	.30 each	3.00 doz.
Heliotropes	.25	2.00
Lobelia	.25	2.00
Marigold	.25	2.00
Mignonette	.25	2.00
Pansies	.50	3.50
Petunia	.25	2.00
Salvia	.25	2.00
Snapdragons	.25	2.00
Stocks	.25	2.00
Verbenas	.25	2.00
Wallflowers	.25	2.00
Zinnias	.25	2.00

ONION PLANTS

Matured onions can be secured from plants much sooner than from seed. It is recommended to plant the rows 16 inches apart and the plants 3 to 4 inches apart in the rows. If planted in this manner it will take about 100,000 to the acre. Do not plant too deep. Plants are put up in bundles of about 100, and 60 bundles to a crate. Count not guaranteed. We are growing quite an acreage in the Northwest and quotations made are on these plants. In case of excessive winter killing, when we might be compelled to secure some plants in Texas, price would be higher.

Prices, Postpaid	
2 bundles	\$0.45
3 bundles	.60
6 bundles	1.00
10 bundles	1.50
Crate, 60 bundles, not prepaid	5.50
Crate weighs about 30 lbs. Not less than two bundles sold.	



PLANTS, VEGETABLES

Please note that the quotations made on non-transplanted plants are for outdoor grown plants, hence price does not apply to plants started and grown in hot beds or under glass. Outdoor grown plants are usually ready about May 15.

Variety	Postpaid			Not Postpaid	
	Doz.	50	100	500	1000
Cabbage—E. J. Wakefield, G. Acre, Copenhagen, Ball Head, Red. Transplanted	\$0.25	\$0.75	\$1.00	\$3.75	\$7.00
Same varieties, not transplanted	.20	.50	.75	2.00	3.50
Cauliflower—					
Snowball, transplanted	.30	1.00	1.50	5.00	9.00
Not transplanted	.25	.75	1.00	3.50	6.00
Celery—					
White Plume, transplanted	.25	.75	1.25	3.25	6.00
White, plume, not transplanted	.20	.65	1.00	2.75	5.00
Golden Self-Blanching, Transplanted	.25	.75	1.25	3.25	6.00
Not transplanted	.20	.65	1.00	2.75	5.00
Celeriac	.25	.75	1.25		
Egg Plant, transplanted	.30	.75	1.25	4.50	8.00
Parsley, transplanted	.25	1.00	1.25		
Peppers, transplanted—					
Bull Nose California Wonder, Cayenne, Ruby King	.30	.75	1.00	4.50	8.00
Tomatoes, transplanted—					
Bonnie Best, Burbank, John Baer, Earliana, Ground Cherry, Marglobe	.30	.75	1.25	4.50	8.00

ROOTS

	Postpaid			Not Postpaid	
	Each	Doz.	50	100	500
Asparagus, Mary Washington, 2 years old	.40	.85	1.50	5.25	10.00
Hop	.75	2.75	5.00	7.75	15.00
Horseradish	.30	1.00	1.50	4.25	8.00
Mint	.75	2.50	4.00		
Chives, small bunch	\$0.15	\$1.25	\$	\$	\$
Rhubarb, 1 year old	.15	1.25	3.25	5.00	15.00
Rhubarb, 2 years old	.25	1.75	4.50	8.00	30.00

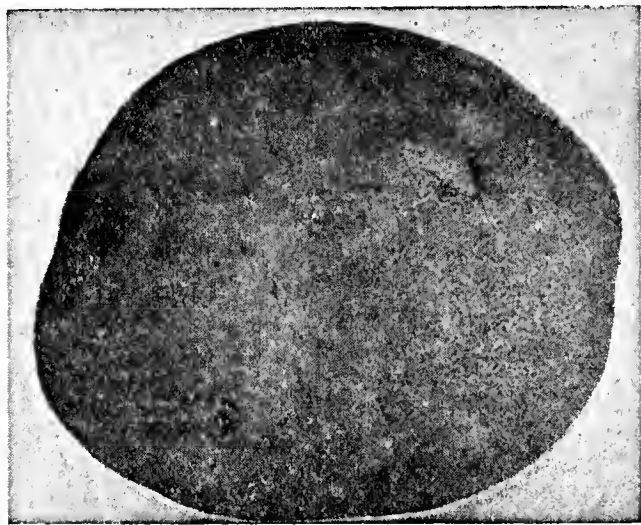
Prices not guaranteed, but are subject to change.



## POTATOES

Potatoes can be grown in any soil provided it is well drained, but if grown on sandy, rich soil, they will be of better quality than if planted on clay soils. Sod land is most excellent for this crop.

**Prices.** Owing to the great uncertainty regarding values we are unable to make definite prices at present. Write for prices, stating amount wanted.



Bliss Triumph or Six Weeks

### EARLY

**Bliss Triumph or Six Weeks.** This is recognized as being one of the very earliest varieties grown, and is also one of the best yielders of the early varieties. Skin pink.

**Ohio.** A leading early sort. Round, short, and thick tubers, smooth and solid; cooks dry and mealy and matures very early. **Earliest of All or Early Eureka.** Is a shallow-eyed white-skinned variety of vigorous growth. The tubers are smoother and have fewer eyes than most other varieties.

### MEDIUM

**Irish Cobbler.** The tubers are round, somewhat flattened with rather deep eyes and are medium to large in size. The skin is white.

### LATE

**Netted Gem.** The hardiest, most vigorous in growth, most productive, and the best in table quality of all potatoes. It has proved to be unequalled for main crop. The vines are strong, with deep green foliage. In form the tubers are medium long. Write for prices, stating amount wanted.

### CERTIFIED STOCK

The present arrangement for certified potatoes in the states of Idaho and Washington are a blue tag and a red tag. The blue tag is certified as to variety, freedom of disease and type and has been inspected at least twice in the field, also inspected at time of shipment. Size, from 2 to 12 ounces.

Red tag has also been inspected but has not been as closely graded as the blue tag and will not conform to the requirements for the blue tag.

Write for prices, stating amount wanted.

## FIELD SEEDS

### WRITE FOR PRICES

We are unable to quote on field seeds as our catalog goes to the printer, but will be glad to quote upon request. Please state amount wanted.

The principle on which we have always conducted our business has been that the best field seeds obtainable are not only the best to sow but the most economical.

### WINTER KILLING OF ALFALFA

Through a questionnaire sent to about 1200 alfalfa growers, the Washington State College has made an analysis of winter killing of alfalfa. Reports show that the main causes are a dry fall and low temperatures without snow covering. Practically all alfalfa which had irrigation or subirrigation through the fall have not been subject to much winter killing.

Grimm Alfalfa is recommended as being more hardy than common. In order to preserve the vigor of alfalfa plants, it is recommended to cut, on dry land, after one-third in bloom and to secure good growth after the last cutting. To attain this end some alfalfa growers cut only once.

Reports also state that Gypsum has increased the vigor of plants on some fields and saved them from winter killing. Some growers consider fall cultivation helps to control winter killing and is important in controlling cheat grass.

### ALFALFA

**Alfalfa, Common Variety.** Most generally sown. Prepare seed bed thoroughly. Permanent for years. Heavy yielder.

**Alfalfa, Grimm.** A hardier variety than the Common. Different root system. Not subject to winter killing.

**Alfalfa, Cossack.** It is claimed by some that this strain is hardier than Grimm.

**Alfalfa, Ladak.** History—Scientists of the United States Department of Agriculture found the natives of Ladakh, a province of Northern India, cultivating a splendid variety of alfalfa. No one knows the age-long period required to develop this hardy strain of alfalfa in this bleak climate, at an elevation of 12,000 feet, where the average rainfall is around 4 inches, and blizzards occur at any month of the year.

Introduced in United States in 1910. In 1927 seed was given to a few Montana farmers for trial. According to Bulletin 111 of the Montana State College, Ladak alfalfa has proved to be more hardy than other varieties of alfalfa.

Fifty-five varieties of alfalfa were seeded on wilt-infested soil by U. S. D. A. in co-operation with the County Agent of Malheur County, Oregon. The Ladak showed a fair stand; other commercial varieties were 95% killed.

Some growers make the following statements: Ladak is extremely hardy. Ladak is drouth-resistant. Ladak resists bacterial-wilt. Ladak is high yielding. Ladak hay is high quality.

### CLOVERS

**Ladino White Clover.** Is a very large form of clover, usually making a growth of 8 to 12 inches. A perennial. The stems lie flat on the ground and commonly root at the joints. Can be grown on rather shallow land where well supplied with humus and moisture. Makes especially vigorous growth on the lower, medium heavy types of soil. Sow 4 to 6 pounds per acre.

**Alsike.** Produces large crops of excellent hay. Finer than Red Clover. Not so dusty. Stands drouth well.

**Red, Medium.** Standard variety. Highly recommended for enriching the soil. Hardy, and yields well on any soil.

**Red, Mammoth.** Heavier yielder than the Medium. Matures later. Foliage, flower and stem dark color.

**Sweet, White Blossom.** Erect branching biennial. Stems woody. Grows from 5 to 8 feet high.

**Sweet, Yellow Blossom.** Same family as the White Blossom. Does not grow so high. Finer stem and earlier.

**White Dutch.** Low growing. White blossoms. Fragrant. Makes excellent pasture. Used largely for lawns.

### GRASSES

**Bent, Creeping.** Fine texture. Valuable for lawns and golf courses. Rapid grower. Spreading habit. Permanent sod.

**Blue Grass, English.** Grows from 3 to 4 feet high. Deep rooted. Heavy yielder of superior hay. Makes good pasture.

**Blue Grass, Kentucky.** Very sweet and nutritious. Starts growth early in spring, remaining green until winter. Very hardy. Used for lawns.

**Bromus Inermis.** Introduced as a grass for dry sections. Withstands drouth well. Produces leaves abundantly.

**FIELD SEEDS—Continued**

**BROMUS MARGINATUS.** The grower states as follows: This grass seems to be a native over quite a wide area of the Pacific Northwest, though generally growing sparsely, a plant or few plants here and there. Has grown it for seven years and still retains the first planting in good growing condition and states that it is the best dry land grass that he has seen. Starts very early in the spring, comes nearer being green all the year round than any other grass. It does not have the creeping root like *Bromus inermis*. It is very palatable in hay or pasture; very hardy; not affected by our most severe winters; withstands the drouth well. Mixed with alfalfa it makes a wonderful hay or pasture as it eliminates bloat. Seed shatters badly if left to ripen so must be gathered early. Perfectly hardy for fall seeding.

**Canary Grass.** Known as water grass, as it delights in marshy places. Grows from 6 to 7 feet high.

**Fescue, Chewing.** Small, hardy low growing. Fine dark green leaves about 6 inches high forming a close turf.

**Fescue, Sheep.** Known as a bunch grass and forms large tufts 3 to 6 inches in diameter. Somewhat woody.

**Orchard Grass.** Stands the drouth. Grows well in the shade. Does well in wet or poor ground.

**Red Top.** Valuable for moist rich soils where it grows very luxuriantly. Grows from 1 to 2 feet high.

**Rye, English.** Valuable for pasture, as it produces an abundance of foliage. Hay is fine and relished by stock.

**Rye, Italian.** Annual, quick grower. Attains a height of 2½ to 4 feet. Does best on moist soil and cool climate.

**Sudan Grass.** Annual. Grows from 7 to 9 feet. Small stem about size of lead pencil. Wonderful stooler.

**Timothy.** Best and longest of all grasses and most generally used. Height from 2 to 3 feet.

**Crested Wheatgrass.** A perennial bunch grass related to Blue Joint, a native of the cold, dry plains of Siberia. It has a strongly developed root system which penetrates the soil to an unusual depth. It is from 5 to 14 days earlier than any other grass and continuous growth until late in the fall. Sow from 10 to 15 lbs. per acre.

**Slender Wheat or Western Rye Grass.** Botanical description—Western Rye Grass is a perennial with a short rootstock, not creeping. The stems and shoots are rather crowded and the plant grows in dense tufts. Stems and shoots are upright, the stems being from 2 to 4 feet high.

**Tall Meadow Oat Grass.** Has a deep rooting system, which enables it to withstand a long drouth, remaining green all seasons of the year. Cut during the blooming period for hay. Grows quickly after mowing, and will furnish a second cutting. Sow 25 or 30 pounds per acre.

**Korean Lespedeza.** The abundant growth, deep penetrating roots covered with nodules make Korean Lespedeza an outstanding grazing and soil building legume, especially for the mountain section. The strong root growth penetrates about 8 inches deep, making it highly drouth resistant, and thriving on poor, wornout soils. In feeding value it is about equal to alfalfa; has no woody stem; holds its leaves well and produces

a full crop the first season. It is an annual, reseeds indefinitely although closely grazed.

**Sudan Grass.** South Dakota has recently completed some tests with Sudan grass for pasture. One acre pastured two cows for 60 days, or gave the equivalent of 130 days of pasture for one cow, comparing favorably with alfalfa and sweet clover.

**LAWN GRASS**

**Clover Leaf Mixture.** Do not buy a low priced lawn grass. Cheap lawn grass can only be secured by a mixture of low priced seeds. Your lawn is the introduction to your home. Make first impressions favorable.

**MILLETS**

**Early Fortune.** A sure cropper and specially valuable for late planting, as it is one of the earliest varieties.

**Golden.** Rank grower. Splendid variety for hay. Grows from 4 to 5 feet on rich soil. Cut when in bloom.

**Siberian.** One of the very earliest. A very heavy cropper. Hay finer than Golden and grows taller. Rust-proof.

**MISCELLANEOUS**

**Buckwheat.** Heavy yielder. Very early. Stands up well. Excellent bee pasture. 2 lbs. 25c; 25 lbs. and over, 10c per lb. Add postage.

**Flaxseed.** It has been customary to sow on virgin sod. 2 lbs. 25c. Add postage.

**Kaffir Corn.** Attains a growth of from 4 to 5 feet, the stalk producing numerous wide leaves. 15c per lb; 25 lbs. and over, 12½c per lb. Add postage.

**Kale, Thousand Headed.** Does best in cool, moist locations, proving it to be a wonderful forage plant.

**Lentils.** Succeed best in dry, sandy soil. Used largely for soup. 2 lbs. 25c; 25 lbs. and over, 10c lb. Add postage.

**Rape, Dwarf Essex.** Used solely for securing green feed. Pigs, sheep and cattle all relish it. Rank grower.

**Sugar Cane, Early Amber.** Earliest, richest, best sort for northern latitudes. Can be grown where corn can be produced. 2 lbs. 26c; 25 lbs. and over, 10c per lb. Add postage.

**Sunflower.** Grown as a forage plant. Seed used for poultry, as it is very rich in oil. 15c per lb; 25 lbs. and over, 12½c per lb. Add postage.

**Vetches, Spring.** All Vetches belong to the pea family. In the Inland Empire Spring Vetches will not withstand the winters.

**Vetches, Winter or Sand.** Can be sown in fall or spring and will produce a crop. Heavy yielder.

**PEAS**

**Canadian.** The most popular of the white varieties. Seed almost white. A heavy cropper. Very tall vines.

**Alaska.** Green smooth seed. Earlier and less straw than the Canadians, and for this reason more popular.

**Whipporwill.** Prolific yielder. Vigorous grower.

**FIELD CORN****DENT**

**Minnesota No. 13.** The stalks grow to a height of from 6 to 7 feet, producing ears having 16 to 20 rows of rich yellow corn.

**All Field Corn.** Postpaid, 1 lb. 20c; 5 lbs. 65c; 10 lbs. \$1.00.

**Not postpaid, 1 lb. 15c; 5 lbs. 50c; 10 lbs. 80c; 25 lbs. \$2.00; 50 lbs. \$3.50; 100 lbs. \$6.00. Prices not guaranteed.**

**POP**

**White Pearl.** The best corn for popping and for the general market; early, white pointed kernels. 1 lb. 20c, postage paid. At purchaser's expense, 10 lbs. 90c.

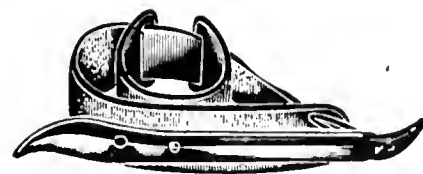
Washington citizens are required to add 2% to their remittance to cover sales tax.

Do not overlook adding postage to nursery stock orders.

Beautiful lawns and luxuriant gardens can be secured by using Plantone.

**CORN HUSKERS**

**Model A, "Corn King".** Long leather strap laces four times across the back of the hand and around the thumb. Cinch lacing insures comfort to wearer. Wrist ease opening prevents sprains and gives considerable wrist support. Price 60c. Weight, 2 lbs.; add postage.



**Model 2000B**—All steel pin made of the best grade of material obtainable for the purpose with all steel rear brace which can be made to hold the hand firmly. Price 30c. Weight, 1 lb.; add postage.

## GRAIN



Markton Oats

### OATS

We handle the varieties most grown. Our quality will be as good as careful selection and recleaning can make them.

#### MARKTON OATS

The outstanding features of Markton oats are their immunity to smut and their superior yield. It is an erect, mid-tall, mid-season variety with a branching panicle. One of their distinguishing characteristics is the presence of hairs on the clum at the nodes. The kernels of Markton are yellowish white, long and slender and have a rather thin hull. Write for prices, stating quantity wanted.

### WHEAT

There is wheat and wheat, and it is penny wise and pound foolish to sow inferior quality. This inferior quality may be because the grains have not been fully developed or on account of impurity, or on account of improper cleaning. We guard against all three, hence our quality is right.

**WINTER**—Jones Fife, Mart'n Amber, Gold Coin.

**SPRING**—Bluestem, Marquis, Early Bart, Federation.

Write for prices, stating quantity wanted.

### BARLEY

Last season we contracted with reputable farmers to grow some of this for us, furnished the best seed we could secure, and now offer Beardless Barley of a very high quality.

### RYE

**Spring Rye.** Spring rye is an excellent catch crop where winter grain has been killed out, or for sowing where a fall crop has not been planted.

**Winter Rye.** Rosen Rye is a stiff-strawed, large headed variety which ordinarily has four full rows of grain on over 99 per cent of its heads. Rosen Rye outyields common rye from 25 to 50 per cent.

Write for prices, stating amount wanted, or we will fill all orders at price prevailing on date of shipment, sending grain for the amount of remittance received.



## NURSERY STOCK

No attention given to complaints if not reported at once. Add 5c for postage when your order only calls for one root and 3c per root when three or more are ordered. This will equalize postage charges, though in some cases this postage will be too much while in other instances it will be too little.

### VINES AND CLIMBERS

**Boston Ivy, Japanese Ivy.** Best known and most popular climber for chimney, brick and stonework. Each, 50c, 75c.

**Engelmanni.** Deeply cut leaves which turn to a beautiful crimson in fall. Clings to walls without aid of artificial support. Vigorous growth. Each, 25c, 50c, 75c.

**Virginia Creeper or American Ivy.** Fast growing, hardy creeper, massive foliage, deeply cut leaves which turn to a beautiful crimson in fall. 25c to 75c.

### CLEMATIS

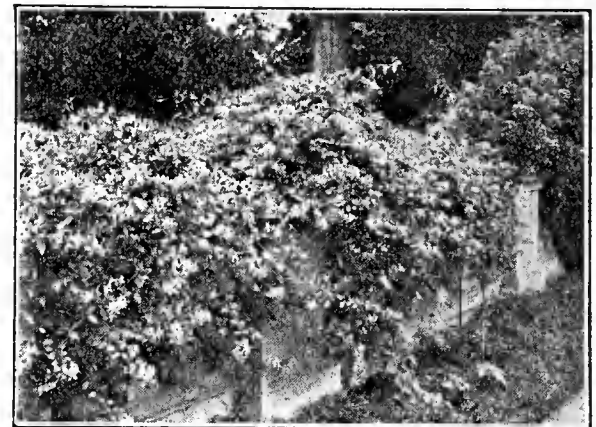
**Henryi.** Large single white flower, most popular of its color. Each, \$1.00.

**Jackmani.** Large velvety dark purple flower, very showy. 50c to \$1.00.

**Paniculata.** Late flowering variety with panicles of small white flowers borne in great profusion in early fall. Each, 50c, 75c.

### HONEYSUCKLES

**Belgia or Everblooming.** Flowers yellow, blotched with red above; blooms all summer, fragrant. Each 50c, 75c.



Honeysuckle

**Halls' Japan.** Practically evergreen, retaining its rich dark green foliage most of the winter. Blooms continuously from June until frost; fragrant, white and yellow flowers, in great abundance. Each, 25c, 50c, 75c.

**Scarlet Trumpet.** Trumpet shaped flowers of bright scarlet. Each, 50c, 75c.

### HARDY ROSES

Washington Grown Grade 1.

**Two Year Old.** Each, 50c, except where quoted; add postage.

**American Beauty.** One of the largest, sweetest and best; rich rosy crimson, shaded and veined in a most charming manner.

**Betty Uprichard.** Two-toned salmon pink; very vigorous.

**Charles K. Douglas.** The flowers are large, semi-double, brilliant light crimson with a scarlet undertone.

**Frau Karl Druschky.** Best known white. Very popular.

**Feu Joseph Looymans.** (Per.) Long, pointed buds of exquisite rich apricot shaded old gold. Sturdy plants.

**General Jacqueminot.** The blossoms are large, full, and globular, having an excellent cup-shaped form. In color they are brilliant scarlet-crimson.

**Gruss an Teplitz.** Color crimson-scarlet, bright enough to attract the attention of the observer, but not vivid enough to throw other sorts into the background.

**Gorgeous.** Flowers are large and full. Deep orange yellow and heavily vined with reddish copper.

Continued

### AUXILIN . The Miracle Root Grower

Real Roots from Cuttings!  
Faster . Surer . Cheaper!

It grows roots on cuttings that even professional growers find difficult and often impossible to root normally. For example: Arbovitae, Azalea, Camellia, Dahlia, Dogwood, Gardenia, Hydrangea, Rhododendron, Rose (including the hybrids). See actual photograph of American Holly (Ilex) rooted in 6 weeks. Auxilin treated cuttings develop more roots over wider area of stem tissue and base. (Roses, including hybrids, average 75 roots per cutting in 2-3 weeks!) Faster growth, sturdier roots, healthier plants, more profuse blooming, more and larger blossoms. Less disease. 1/6 oz. 50c. Will treat up to 600 cuttings. 1/2 oz. \$1.00. Will treat up to 1,800 cuttings.



## HARDY ROSES—Continued

**Dame Edith Helen.** The flowers are perfectly shaped, bright pink. The most perfumed of all pink roses.

**E. G. Hill.** Beautiful long buds and high-centered dazzling scarlet blooms shading deeper as they develop more fully.

**Etoile de Hollande.** The most popular red garden rose—a brilliant crimson-red. A strong, vigorous grower, free and continuous bloomer. Large, moderately double, fragrant flowers, beautiful in all stages of development.

**Joanna Hill.** Beautifully slender buds. Flowers suffused with soft orange and creamy yellow.

**Kaiserin Augusta Victoria.** Pure white, does not pink when planted out; splendid large buds and superb, full, double blooms.

**Hoosier Beauty.** A large, full flower with well shaped buds; color is an exceptionally attractive glowing, velvet crimson.

**Lord Charlemont.** Mass of livid crimson blooms; large and full.

**Los Angeles.** In color a luminous flame-pink, toned with coral and shaded with translucent gold at the base of the petals.

**Mrs. John Laing.** Extremely large blooms of soft pink. Long buds; cup-shaped, fragrant flowers. Free bloomer. Very popular.

**Mme. Edouard Herriot.** Profuse bloomer, coral red, yellow base.

**Mme. Caroline Testout.** A grand rose, with large full flowers and handsome buds; rich pink. The hardiest of the Teas.

**Paul Neyron.** The largest rose in existence, frequently reaching 6 inches in diameter. The color is clear pink, shading to soft rose; has a delightful fragrance.

**President Herbert Hoover.** Blend of flaming scarlet, pink, yellow and orange. Extremely tall, vigorous growth.

**Souvenir de Claudius Pernet.** Its color is sunflower-yellow, deepening in the center, and it retains this color, in bud and open bloom. The buds are produced on long, stiff stems.

**Sunburst.** The buds are long and generally borne on long stout stems; the flowers are large, full, and of fine elongated cupped form. The color is a superb cadmium-yellow passing to yellow-orange in the center.

**Talisman.** One of the most astounding novelty roses produced in many a year. Its brilliant orange red buds open to a large fragrant, high-pointed bloom of glowing golden yellow, stained with copper red and orange rose on the inside of the petal.

**Urich Brunner.** Extra-large flowers of light red, bordering on scarlet or crimson—a shade of red distinctly its own. The flowers are borne in profusion on long stems.

## HARDY CLIMBING ROSES

Each, 50c, except where otherwise quoted; add postage.

**Climbing American Beauty.** Heavy strong grower; hardy everywhere. Color rich red passing to crimson. Very popular.

**Climbing Gruss an Teplitz.** A perfect sheet of crimson when in bloom. It's the same as the Bush Teplitz.

**Dorothy Perkins.** Beautiful shell-pink color, which holds for a long time, fading finally to a lovely deep rose. Free of mildew.

**Dr. W. Van Fleet.** Large flowers of a dainty flesh pink with rosy center. Flowers of perfect form with reflex petals. Long stems.

**Paul's Scarlet Climber.** Vivid scarlet, shaded crimson; makes a brilliant display for a long period of time.

**White Dorothy Perkins.** A sport from Dorothy Perkins, possessing all the fine qualities of that grand variety, but having pure white flowers.

## PATENTED ROSES

**Gloaming.** Plant Patent No. 137. A cutflower variety which has proved a "winner" wherever grown. Bloom is of unusual coloring, fawn orange in the bud and the large full blooms are of a peculiar pink overlaid with salmon. Each \$1.25. See outside front cover for illustration.

**Mary Hart.** Plant Patent No. 28. Mary Hart is a striking red sport of Talisman, buds maroon red, opening to well formed blossoms of deep velvety red with an overflow of amber. Each \$1.00.

**Texas Centennial.** Patent No. 162. Color is blood red toning to cerise red in center. Most striking new red of unusual color. Each \$1.00.

## FLOWERING SHRUBS

**Almond.** Spring flowering shrub, in full bloom before leaves appear. Of dwarf growth. Produces double flowers. Double white and double pink. 2 to 3 feet. 75c to \$1.00. Add postage.

**Althea (Rose of Sharon).** Bloom late in August and September, with a profusion of large bright colored flowers. Each, 50c.

## BARBERRY, BERBERIS

**Common.** Sturdy, erect-growing shrub, with grooved, spiny branches and light green, prickly leaves; golden yellow flowers in spring, followed by bright scarlet fruits in autumn. Two to 3 feet, each, 50c; 3 to 4 feet, each, 75c.

**Japan Red Leaf.** A brilliant bronzy red. The heat of summer intensifies this color and autumn adds many other rich tints. 18 to 24 in. Each, 50c.

**Thunberg's Japanese.** Hardy, low-growing shrub, small, bright green leaves that turn to orange and yellow in autumn. The bright red berries remain on the bushes all winter. Each, 35c, 50c, 75c.

**Purple.** A showy and effective shrub with purple leaves; yellow flowers in May; reddish purple berries in autumn, which persist nearly all winter. Each, 50c to \$1.00. Add postage.

## CRANBERRY, HIGH BUSH

Handsome, dense, brilliant green foliage, a rich setting for large bunches of crimson berries which enliven the late summer and persist on bare branches into the winter. Each, 50c to \$1.00.

## DEUTZIAS

An ornamental shrub that is grown because of its profusion of snowy white flowers in spring or early summer.

**Lemoines.** Small, spreading shrub producing large white flowers. 12 to 18 inches, each, 50c; 18 to 24 inches, each, 75c.

**Pride of Rochester.** Blooms early and delights the eye with its large, double, white flowers which are tinged with pink in the bud. 2 to 3 feet, each, 35c; 3 to 4 feet, each, 50c. Add postage.

## DOGWOOD, CORNUS

**Dogwood (Cornus).** The shrubby dogwoods are mainly valuable for the brilliancy of their barks and berries and the handsome variegations of their foliage.

**Sibirica.** Clusters of fine white flowers in summer, succeeded by ornamental berries in fall; stem and branches turning to blood-red in winter. Each, 35c, 50c and 75c.

**Lutea.** A striking yellow-branched form of *Stolonifera*. Ea. 75c.

**Elegantissima.** Variegated, silver-leaved. Each, 75c.

## FORSYTHIAS

One of the first plants to flower in early spring, blooming before the leaf buds burst on other plants in exquisite splendor.

**Fortunei.** Bark bright yellow; blooms in dense masses of golden flowers in early spring. Two to 3 feet, each, 35c to 50c; 3 to 4 feet, 75c; special price, mailing size, 25c each, or 3 for 50c, one variety, postpaid.

**Fragrantissima, Winter Honeysuckle.** Very early sweet-scented flowers. Almost evergreen foliage. 35c to 75c.

**Morrowi, Morrow Honeysuckle.** Five to 6 ft. Pure white flowers and blood-red fruit. 35c to 75c.

**Rosy Tartarian Honeysuckle.** Variety with rosy-pink flowers and red fruit. 35c to 75c.

Add postage on all nursery stock.

## HYDRANGEA

**Hills of Snow or Snowball Hydrangeas.** A profusion of snow-white clusters of flowers decorating the plant most of the summer. Each, 50c, 75c, \$1.00.

**Paniculata Grandiflora, Large Flowered.** Showy and attractive. Flowers are pure white, changing to pink, and borne in immense clusters, beginning in July and holding them until October. 18-inch, 50c; 24-inch, 75c; 30-inch, \$1.00; add postage. Special price, mailing size, 25c each, or 3 for 50c.



Hydrangea

## LILAC

**Common (Purple or White).** Hardy and extra fragrant, flowering in May and June.

**Persian Lilac (Purple).** Blooms a good deal more than the Common, and has smaller leaves. Does not sprout as much from the roots.

**Lilac (French Grafted).** There is no comparison between our common Lilac, as pretty as they are, to those of the French Hybrids in the texture, size, color tones, mixture of shades, fragrance and luster of the blooms.

**Charles the Tenth.** Dark lilac-red, single.

**Ludwig Spaeth.** Large panicles of dark red flowers.

**Michel Buchner.** Pale lilac, large and very double.

**Mme. Lemoine.** Double with very large white flowers.

All Lilacs, 75c to \$1.50.

## QUINCE, FLOWERING

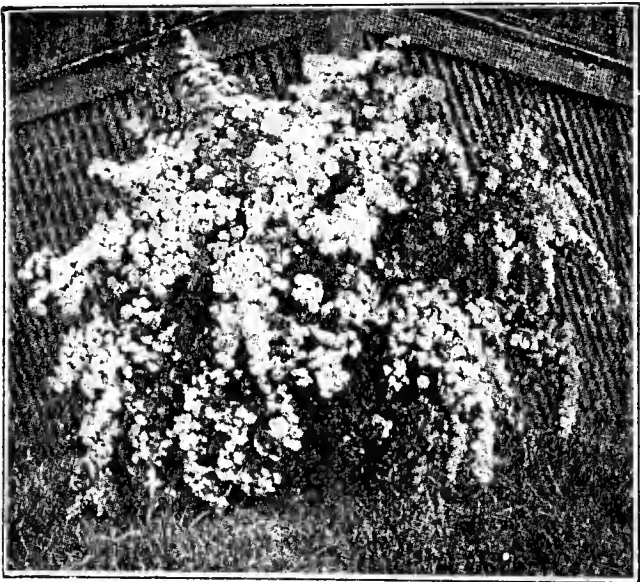
**Quince, Japan or Flowering (Cydonia Japonica).** Low spreading shrub, the branches are armed with formidable thorns and in early spring are hidden by a wealth of scarlet flowers. 12 to 18 inch, 50c; 18 to 24 inch, 75c; 2 to 3 feet, \$1.00. Add postage.

## SNOWBALLS

**Common.** The old-fashioned favorite with large, globular clusters of white sterile flowers blooming the latter part of May. Very useful for specimens or for planting in groups. 50c, 75c, \$1.00.

**Double Japanese (Plicatum).** One of the most charming hardy flowering shrubs in existence; bears great wreaths and clusters of pure white globular masses of flowers like real balls of snow; covered with bloom for weeks in the spring. Grows 4 to 6 feet high; entirely hardy, needs no protection; splendid for door-yard, lawn and cemetery planting. Two feet, each, \$1.00.

## SPIREAS



**Anthony Waterer.** Covered nearly the whole growing season with large umbels of deep crimson flowers. 35c, 50c, 75c and \$1.00.

**Prunifolia (Bridal Wreath).** Slender erect-growing variety having beautifully colored foliage, and bearing very early in the spring small double white flowers the entire length of its branches. Very graceful habit. Two feet, 60c; 3 feet, 75c.

**Thunbergi.** Low-growing of compact form, with delicate light green foliage which colors up beautifully in the fall. Small white flowers in great profusion, early in the spring. 50c, 75c.

**Van Houttei.** It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Two feet, each 25c; 3 to 4 feet, each, 50c, \$1.00. Add postage. Special mailing size, 25c each, or 3 for 50c, one variety, postpaid.

## SYRINGA or MOCK ORANGE

**Gordonianus.** Very late bloomer, valuable for this quality, a large, fragrant white flower. Two to 3 feet, each, 50c; 3 to 4 feet, each, 75c.

**Grandiflorus.** Good large flowered, strong growing sort that is very desirable. Two to 3 feet, 50c; 3 to 4 feet, 75c; 4 to 5 feet, \$1.00.

**Virginalis.** A magnificent new variety. Moderately tall and good foliage. The double, semi-double and single flowers are large, handsome and fragrant. Two to 3 feet, 75c. Special mailing size, 25c each, or 3 for 50c, one variety, postpaid.

## WEIGELIAS

**Eva Rathke.** A free flowering bright red variety of rather dwarf habit. 50c and \$1.00.

**Rosea.** The old standard, strong growing, pink flowered variety. 35c to 75c.

**Rosea Variegata (Variegated).** A near dwarf shrub, valuable for the clearly defined variegation in its leaves of green, yellow and pink. Effective and useful, being one of the best variegated leaved shrubs known. Flowers light pink and blush. Each, 50c and 75c. Add postage. Special mailing size, 25c each, or 3 for 50c, one variety.

## PRIVET

**English Privet.** Our best plant for hedges. Plant in double row 2 feet apart, 6 inches between plants, and takes two plants to the foot. 15 to 18 in., 10 plants \$1.00, per 100, \$7.50; 18 to 30 in., 10 plants \$1.25, per 100, \$10.00.

**Golden Privet.** Beautiful variegated shrub used to plant in among evergreens. Gives wonderful effect. \$1.00 each. Add postage as per instructions under nursery stock.

## SPECIAL PRICES

On the following varieties, mailing size, 3 for 50c, 7 for \$1.00, prepaid: Barberry, Japanese; Deutzia, Pride of Rochester; Forsythias, Honeysuckles, Hydrangeas, Spireas, Syringas. The following shrubs can be used for beautiful hedges and screen: Privet, Barberry, Forsythias, Honeysuckle, Hydrangeas, Lilacs, Spireas. Write for prices, stating quantity.

## FRUIT BLACKBERRIES

### BUSH

Two year old: Each, 20c, 3 for 50c; doz. \$1.50; 50, \$5.50; 100, \$10.00; add postage.

**Blower.** Fruit large, jet black, good shipper, hardy, productive and of finest quality.

**Early Harvest.** Its earliness, combined with good shipping qualities, make it very profitable. Compact dwarf grower, enormous bearer.

### VINING

Price, two year old: Each, 20c, 3 for 50c; doz. \$1.50; 50, \$5.50; 100, \$10.00; add postage.

**Himalaya Giant.** A strong, rampant, trailing plant; very productive. Hardy, and thrives even under severe conditions. Fruit large, handsome and fine quality.

**New Mammoth.** Strong grower of trailing habit, enormously productive; very early, fruit enormous, core soft and small, seeds small, flavor unsurpassed.

## BOYSENBERRY

Jet black, sweet and firm, it has a raspberry-like flavor even when canned and makes excellent pies. 2 year old, 30c.

## YOUNGBERRIES

A cross between the Dewberry and Loganberry. Berries larger than loganberries, purplish black and similar to raspberries in flavor. Very vigorous grower, begins bearing at an early age. Hardy, good roots.

The above two berries, 30c each, 3 for 75c; 12 for \$2.50.

## CURRANTS

### RED

**Cherry.** Very large, deep red; fine for preserving; valuable market variety.

**Perfection.** Beautiful bright red, largest size, fine bunches on long stems, permitting easy picking, without crushing. Quality rich, mild, sub-acid, with plenty of pulp and few seeds. Very productive, vigorous and hardy.

### WHITE

**Grape.** Very large; yellowish white; very mild acid; excellent quality and valuable for the table.

All Currants: One year old, each, 25c; doz. \$2.00. Two year old, each, 35c; doz. \$3.00.

Owing to Federal quarantine, currants cannot be shipped after April 1 and before November 1.

## GOOSEBERRIES

**Oregon Champion.** Berries very large, pale green; sweet, fine, bush strong, prolific bearer. This is the standard commercial sort for our section and is best for home use.

**Red Jacket (Josselyn).** Large, smooth, prolific and hardy; best quality.

One year old, each, 25c; doz. \$2.00. Two year old, each, 35c; doz. \$3.00; add postage.

Owing to Federal quarantine, gooseberries cannot be shipped after April 1 and before November 1.

RASPBERRIES

BLACK

Two year transplants. Each, 15c; doz. \$1.50; 50, \$5.50; 100, \$10.00; add postage.  
**Cumberland.** Fruit very large, firm, keeps and ships as well as any of the blacks. The most profitable market variety. Mid-season.  
**Plum Farmer.** The berries are thick-meated and firm. Large and very attractive when picked.

DEWBERRIES

The best and most dependable of all dewberries. Large, jet black and fine flavor. Price each, 15c; doz. \$1.50; 50, \$5.50; 100, \$10.00; add postage.

RED

DISEASE-FREE RASPBERRY PLANTS  
(State Inspected)

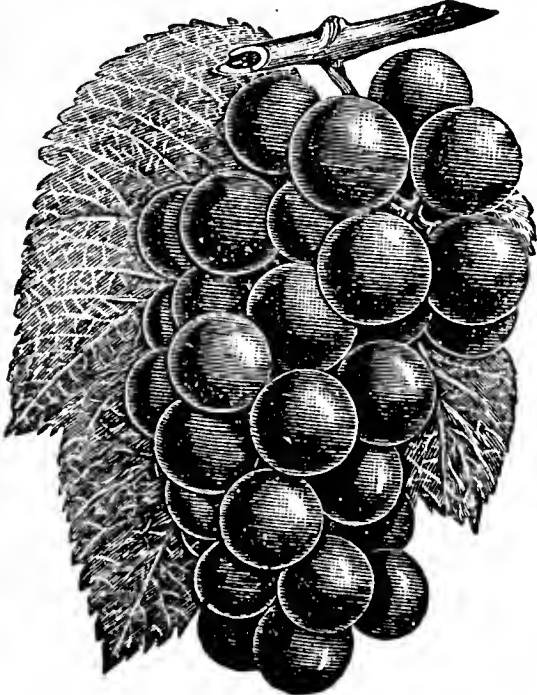
Each 15c, 10 for \$1.00, 100 for \$7.50.

**The New Chief.** The Chief is a new raspberry sent out by the Minnesota Station. Chief is claimed by the authorities to bear even heavier than Latham. It has ripened, been picked, and is gone before Latham picking starts. This is very important as it allows a grower to harvest his crop of Chief early and dispose of it before he has to pick his Latham. Chief is a big berry, of very fine quality, bright red, and a most heavy bearer.  
**Latham.** More money can be made growing red raspberries for market than from any other farm crop. The Latham is the greatest red raspberry every introduced.  
**Cuthbert. King. Marlboro.**  
**St. Regis.** Everbearing raspberry. These are very popular for home use, as they fruit continuously throughout the season. Each 15c, 10 for \$1.25, 100 for \$8.00.

GRAPES

BLACK

**Campbell's Early.** This variety is recommended very highly on account of its earliness and other good qualities.  
**Concord.** Very extensively planted. Bunch and berries medium size; black, fair quality, good keeper. Vine hardy, healthy and productive.  
**Moore's Early.** Bunch large; fruit large; round, black, with heavy boom. Best early variety, hardy and productive.



GREEN

**Moore's Diamond.** Bunches large; berry greenish white, flesh juicy; almost without pulp.  
**Niagara.** Very hardy, strong grower; bunches large, compact. Berries large, round, light greenish white, semi-transparent. Skin tough, does not crack, quality good.

RED

**Agawam.** Large berries, pulp soft and sweet, early.  
**Delaware.** Bunches small, compact; berries rather small, round, thin skin, light red; flesh juicy, sweet, good.  
**Large Varieties.** Tokay, Muscat and Malaga.

	Each	Doz.	25	50	100
Campbell's, 2 years	\$0.35	\$4.20	\$8.00	\$15.00	\$25.00
Concord, 1 year	.15	1.50	2.75	5.00	9.00
Concord, 2 years	.20	2.00	3.50	6.00	11.00
All other varieties—					
1 Year	.20	2.00	3.50	6.00	11.00
2 Years	.30	3.00	5.00	9.00	17.00

Add postage.

LOGANBERRIES

The loganberry is larger than the blackberry, often an inch and a quarter long; color dark red and produced in immense clusters. It partakes of the flavor of both the blackberry and raspberry. Two year old, each, 20c, 3 for 50c; doz. \$1.50; add postage.

APPLES

SUMMER VARIETIES

Two and 3 yr. old, each, \$1 to \$1.50. 1 year old, 5 feet, each, 75c; doz. \$8.40. 1 year old, 4 feet, each, 60c; doz. \$6.60. 1 year old, 3 feet, each, 50c; doz. \$5.40. Write for price on 50 and 100 lots.  
**Early Harvest.** Medium, pale yellow, tender, juicy.  
**Yellow Transparent.** Earliest and best; white, tender, juicy, sprightly, sub-acid. Grows rapidly, bears young and makes a profitable "filler".  
**Red June.** A brilliant red variety. Its distinct flavor has made it popular.

FALL VARIETIES

**Duchess.** Rather large; light red streaks on yellow ground; tender and juicy; very hardy. Handsome appearance and good cooking qualities are two points in favor of this variety. Early autumn.  
**Snow (Fameuse).** Medium size; bright red deepening to almost purplish black in highly colored specimens; flesh white, juicy, aromatic; heavy yielder. October.

WINTER VARIETIES

**Banana.** Large and showy; yellow, with pinkish red blush; flesh tender, heavy bearer.  
**Delicious.** Large; brilliant dark red; flesh fine grained, crisp, juicy with a delightful aroma; splendid keeper and shipper.

**Delicious Red.** This is of more recent introduction than the original Delicious. A solid red and retains all the good qualities of the original Delicious.

**Jonathan.** Red and yellow, tender, juicy and rich. Very productive; one of the best for table and market. Extensively planted, doing well even on comparatively low lands.

**Red McIntosh.** Large deep crimson, highest quality, juicy subacid. Good for both culinary use and dessert. One of the best red winter apples.

**Rome Beauty.** Dark red striped, large excellent quality; a market favorite, bringing good prices. Tree hardy, regular bearer, late bloomer.

**Stayman Winesap.** Medium size; yellow ground covered with red; flesh fine, crisp, and high-flavored; reliable and heavy cropper.

**Wagener.** Medium to rather large; beautiful bright red; flesh firm, subacid, well flavored; annually productive.



APPLES, CRAB

**Transcendent.** Largest of the crabs; striped red, showy, excellent and very handsome. Hardy and strong grower.  
**Siberian, Red.** Small, bright red, covered with light bloom; fine flavor, excellent for preserving. Ripens September.  
**Siberian, Yellow.** Large, beautiful, golden yellow. September and October.  
Same price as apples.

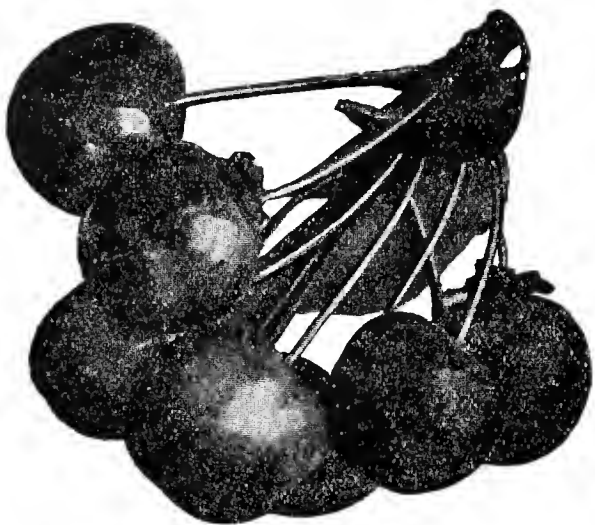
APRICOTS

One year, 3 to 4 feet, each, 50c; doz. \$5.50. One year, 4 to 5 feet, each, 75c; doz. \$8.40. Two and 3 years old, each, \$1.00.  
**Moorpark.** Very large; orange with reddish cheek; flesh orange, sweet, juicy, with fine flavor; very valuable. Ripens early August.  
**Royal.** Medium size, oval, sweet yellow, tree productive; excellent drying and canning variety. Ripens in July.  
**Tilton.** Large, flesh firm, yellow, decidedly freestone. Tree vigorous, regular and heavy bearer.

Add postage on all nursery stock: 5c for the first root, 3c for each additional root. This applies to small shrubs and roses, but does not apply to fruit trees or ornamental trees. These usually have to go by express, but if sent by parcel post the postage would be probably three times as much.



## CHERRIES



### SOUR

Two and 3 year old selected, each, \$1.00 to \$1.50. One year old, 4 feet, each, 75c; doz. \$8.40. One year old, 3 feet, each, 60c; doz. \$6.60.

**Early Richmond.** Medium, dark red, melting, juicy, sprightly, rich acid, best. June.

**Late Duke.** Large, light, red, delicious fruits. Tree strong and upright, exceedingly productive. July.

**May Duke.** Large, red, juicy, rich. June. Not so sour as some varieties, and very pleasant for sensitive teeth.

**Montmorency.** Large, red, acid, exceedingly productive. Late June.

### SWEET

Two and 3 year old selected, each, \$1.00 to \$2.00. One year old, 5 to 6 feet, each, 85c; doz. \$9.60. One year old, 4 feet, each, 75c; doz. \$8.40. One year old, 3 feet, each, 60c; doz. \$6.60.

**Bing.** Very large; dark brown, almost black; flesh firm, rich and delicious. Immense size; good shipper.

**Lambert.** Large size and fine quality; deep, rich red, almost black; flesh firm and flavor unsurpassed. Best shipping variety; regular and heavy bearer. Ripens late July, two weeks after Royal Ann.

**Royal Ann.** One of the best known cherries. Very large, firm, rich red and white; good for table, canning and shipping, and the best of all the red varieties.

## PEACHES

Two year old, each, \$1.00 to \$1.50. One year old, 4 to 5 feet, each, 75c; doz. \$8.40. One year old, 3 feet, each, 50c; doz. \$5.50.

**Alexander.** Medium, greenish white, nearly covered with rich red; melting, juicy, sweet. July.

**Crawford's Early.** A magnificent, large yellow peach of excellent quality. Its size, beauty and productiveness make it one of the most popular varieties.

**Elberta.** The great market peach. Large, handsome; orange-yellow, nearly overspread with red, much mottled; flesh yellow, firm but tender, mildly subacid.

**J. H. Hale.** Large size, fine quality, red cheek, yellow meated freestone, ripening with Elberta but a better tree and more productive.

## PEARS

Two and 3 year old, each, \$1.00 to \$1.50. One year old, 5 to 6 feet, each, 85c; doz. \$9.60. One year old, 4 feet, each, 75c; doz. \$8.40. One year old, 3 feet, each, 50c; doz. \$5.50. Write for prices on 50 and 100 lots.

**Bartlett.** Large, buttery, juicy, high-flavored, great bearer. This sort has long been considered one of the choicest canning varieties, as well as a favorite for all other uses. August.

**Flemish Beauty.** Large, surface slightly rough; greenish yellow and brown; flesh very rich and sweet; tree hardy.

**Seckel.** Small, but handsome and delicious; yellowish russet with a red cheek; flesh whitish, buttery, very juicy and melting.

## PLUMS

Two or 3 year old selected, each, \$1.00. One year old, 4 to 6 feet, each, 75c; doz. \$8.40. One year old, 3 to 4 feet, each, 50c; doz. \$5.50.

**Bradshaw.** Very large, oval; dark violet red; juicy, sweet and good. A valuable market variety. August-September.

**Damson.** Small, roundish oval; dark purple; favorite for preserves. September.

**Peach.** Large, roundish; brownish red; coarse grained, but juicy. Ripens July. Ranks first in popularity.

## PRUNES

Two and 3 year old, each, \$1.00. One year old, 6 feet, each, 75c; doz. \$8.40. One year old, 3 to 4 feet, each, 50c; doz. \$5.50.

**Italian.** Good size, purple, juicy, delicious, best for drying; separates freely from the stone.

**French or Petite.** Medium to small, egg-shaped; violet purple; juicy, very sweet, rich and sugary. Prolific.

**Sugar, New.** Fruit ripens early; flesh tender and rich; color dark purple. Early, August.

## QUINCES

**Champion.** A prolific, constant and early bearer, oval fruit averaging larger than the Orange, quality equally fine, and a long keeper; ripens late. Two year old, 3 to 4 ft., each, \$1.00.

## CONIFEROUS EVERGREENS



### ARBOR VITAE

**American.** Native, known as cedar. Foliage bright green; yellow-green underneath; brown and bronze in winter. Each, \$1.00 to \$5.00.

**Oriental.** Fine with close ascending branches of a fan-shaped appearance. Each, \$1.50.

**Pyramid Arborvitae.** Bright green leaves above and dark glossy green leaves beneath. An excellent tree where pyramid forms are desired. Each, \$1.00 to \$5.00.

### CEDAR

**Red Cedar.** Native with striking form and beautiful color. Each, \$2.50



Keeps dogs, cats, and other animals away from trees, evergreens, roses, shrubbery etc. Tube release vapor offensive to animals but not noticeable to humans. Non-poisonous. **Small package, 15c; postpaid, 20c. Large package, 30c; postpaid, 35c. DOG SCAT now comes in liquid form. Spray on shrubs, evergreens, etc. The odor is very repellent, remains on foliage a long time. 3 oz. bottle, 35c; postpaid, 40c.**

### HEMLOCK

**Western.** Very beautiful and appealing; branches pendant and foliage deep green. Each, \$2.00.

### JUNIPER

**Common.** Branches spreading. Fine trees.

**Irish.** Pyramidal in form, foliage silvery gray, very striking. Each, \$1.00 to \$5.00.

### SPRUCE

**Colorado Blue.** This is one of the most popular of the spruces. Very showy and ornamental. Each, \$2.00 and up.

**Norway.** A lofty, rapid grower; branches drooping. Fine for hedge or windbreak. Each, \$1.00 and up.

## DECIDUOUS ORNAMENTAL TREES

### BIRCH

**European White.** Silvery white bark and slender drooping branches. Each, \$1.00 to \$2.50.

**Cut Leaf Weeping.** A rapidly growing, graceful tree that is hardy everywhere. Bark and branches silvery white, forming a contrast with the delicate cut evergreen foliage. Its leaves seemingly are ever in motion. Beautiful and effective for all purposes. Each, \$1.00 to \$5.00.

DECIDUOUS ORNAMENTAL TREES — Continued

ELM

Chinese. A very rapid grower, adapted to semi-arid districts. Beautiful and graceful. Each, 50c, 75c, \$1.00 and up.

FLOWERING CRAB

Betchels Flowering Double. A medium sized tree of rather upright growth covered in early spring with large clusters of pink double flowers. Each, \$1.00 to \$1.50.

HAWTHORNE (ENGLISH)

Pauls Double Red. Rich brilliant scarlet red flowering tree. Fine for lawns. Each, \$1.00 to \$3.00.

LINDEN

European. A favorite for street and ornamental planting. Flowers fragrant and yellow. Each, \$2.50.

LOCUST

Black. Rapid grower; fine for street planting. Each, 50c, 75c, \$1.00, \$1.50, \$2.00.

MAPLE

Norway. Large, growth compact; foliage deep green. Handsome. 75c to \$3.00.

MOUNTAIN ASH

European. Very ornamental, handsome foliage turning orange red in the fall. Red berries remain on the tree most of the winter. 75c to \$3.00.

WEeping WILLOW

Wisconsin. Large glossy leaves and very pendulous habit. Each, 75c to \$1.50.  
Russian Golden. The well-known common weeping willow. Each, 75c, \$1.00, \$1.50.



HORSE CHESTNUT

White Flowering. Foliage showy, flowers stand in upright panicles. Each, \$1.50 to \$3.00.  
Add 5c for postage for the first root and 3c for each additional root. This will equalize postage, though in some cases this postage will be too much while in other instances it will be too little.

FERTILIZERS

Write for prices on all fertilizers, stating amount wanted. Present quotations not guaranteed. Good fertilizer is as important as good seed and quality and quantity yields can only be secured when the ground is in a high state of fertility.

BONE MEAL. Used extensively for bulbs, flowers, roses, and greenhouses.

Ton	\$2.40 per 100 lbs.
Less than ton	2.50 per 100 lbs.
Less than 1000 lbs.	2.60 per 100 lbs.
Less than 500 lbs.	2.75 per 100 lbs.
Less than 100 lbs.	5c lb.

GYPSUM (Land Plaster). Is an untreated, ground, natural rock fertilizer, consisting mainly of hydrated calcium sulphate. Gypsum furnishes sulphur in available form. The rate of application is 200 to 500 pounds to the acre.

Results have indicated that it requires about four times as much gypsum as sulphur to give equivalent increases in yield.	
Ton	70c per 100 lbs.
Less than ton	75c per 100 lbs.
Less than half tons.	80c per 100 lbs.
Less than 5 bags.	90c per 100 lbs.
Bag lots	95c per 100 lbs.

MURIATE OF POTASH. The great importance of adding potash to some soils is well known. 50% Potash.

Ton	\$2.50 per 100 lbs.
Less than ton	2.60 per 100 lbs.
Less than 1000 lbs.	2.70 per 100 lbs.
Less than 500 lbs.	2.85 per 100 lbs.
100 lbs.	3.00 per 100 lbs.
Less than 100 lbs.	5c per lb.
Less than 50 lbs.	6c per lb.
Less than 25 lbs.	8c per lb.

NITRATE OF SODA. Contains 13 per cent Nitrate, in quickly available form. It is used for forcing crops like lettuce, celery, etc., as it makes a large growth of leaves and tops. Apply the Nitrate of Soda at the rate of 250 pounds per acre.

Ton	\$2.75 per 100 lbs.
Less than ton	2.85 per 100 lbs.
Less than 1000 lbs.	2.95 per 100 lbs.
Less than 500 lbs.	3.10 per 100 lbs.
100 lbs.	3.25 per 100 lbs.
Less than 100 lbs.	5c per lb.
Less than 50 lbs.	6c per lb.
Less than 25 lbs.	8c per lb.

SHEEP MANURE. Contains Nitrogen, Phosphoric Acid, Ammonia and Potash in liberal proportions. Produces immediate and lasting effect. Promotes steady and rapid growth. \$1.00 per bag; 5 bags, \$4.50.

SULPHUR. Studies show that about 5 or 6 pounds of sulphur per acre are brought down by the average rainfall of 21 inches, while a two-ton crop of alfalfa removes about 12 pounds of sulphur per acre.

Ton	\$3.00 per 100 lbs.
Less than ton	\$3.12½ per 100 lbs.
Less than 1000 lbs.	\$3.25 per 100 lbs.
Less than 500 lbs.	3.50 per 100 lbs.
Less than 100 lbs.	5c per lb.
Less than 50 lbs.	6c per lb.
Less than 25 lbs.	8c per lb.

SULPHATE OF AMMONIA. This contains ... per cent nitrate and is used for the same purposes and in the same way as nitrate of soda, the only difference being that this has a higher percentage of nitrate. 20% nitrate.

Ton	\$2.25 per 100 lbs.
Less than ton	2.50 per 100 lbs.
Less than 1000 lbs.	2.75 per 100 lbs.
Less than 500 lbs.	3.00 per 100 lbs.
Less than bag	4c per lb.
Less than 50 lbs.	5c per lb.
Less than 25 lbs.	6c per lb.

SUPERPHOSPHATE. This is a concentrated form of phosphoric acid. 17% phosphoric acid.

Ton	\$1.65 per 100 lbs.
Less than ton	1.75 per 100 lbs.
Less than 1000 lbs.	1.85 per 100 lbs.
Less than 500 lbs.	1.90 per 100 lbs.
100 lbs.	2.00 per 100 lbs.
Less than bag	4c per lb.
Less than 50 lbs.	5c per lb.
Less than 25 lbs.	6c per lb.

TRIPLE SUPERPHOSPHATE. 45% phosphoric acid.

Ton	\$3.00 per 100 lbs.
Less than ton	3.10 per 100 lbs.
Less than 1000 lbs.	3.20 per 100 lbs.
Less than 500 lbs.	3.35 per 100 lbs.
100 lbs.	3.50 per 100 lbs.

TANKAGE. This gives off very little odor and is highly recommended as a reliable fertilizer. Use about 500 lbs. to acre for row application and about 1,000 lbs. broadcast, 4½ nitrogen, 7 phosphoric acid.

Ton	\$2.75 per 100 lbs.
Less than ton	\$2.87½ per 100 lbs.
Less than 1000 lbs.	3.00 per 100 lbs.
Less than 500 lbs.	3.25 per 100 lbs.

## MIXED FERTILIZERS

This mixture is especially prepared for gardeners and orchardists who want a reliable fertilizer and is highly recommended for potatoes and garden crops generally, as well as for berries and all sorts of fruit. Analysis: Nitrogen 5%, Phosphoric Acid 6%, Potash 8%.

Ton .....	\$2.50 per 100 lbs.
Less than ton .....	2.60 per 100 lbs.
Less than 1000 lbs.....	2.70 per 100 lbs.
Less than 500 lbs.....	2.85 per 100 lbs.
100 lbs. ....	3.00 per 100 lbs.

The following fertilizer analyzing 3.10.10 sells at same price as 5.6-8.

Prices of all fertilizers subject to change.

Please note that analysis on fertilizers may vary from figures here given as sometimes the different mixtures will vary somewhat, hence not guaranteed to be exactly correct.



All Plants Need Food

**PLANTONE**  
Makes things grow

All plants need food—carefully selected, scientifically prepared. Food that insures green, velvety, weedless lawns, beautiful, luxuriant flowers, healthy, disease-resisting trees and shrubs, and earlier maturing, health-giving vegetables.

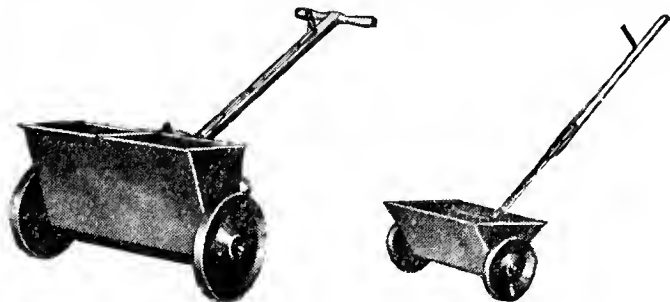
Half-starved lawns have a thin growth; often contain yellow spots; are frequently infested with dandelions and obnoxious weeds. Half-starved vegetables have poor color and quality and mature slowly. Half-starved flowers show under-developed blooms, deficient growth and lack of color. The best seeds and plants will not thrive in impoverished soils. But deficiencies can be remedied by feeding a plant food scientifically prepared for the particular soil supporting this growth.

**PLAN-TONE** is not an ordinary by-product fertilizer. It is not made from refuse. It is clean, odorless, free from weed seed and easy to apply. Notice its high analysis: Nitrogen 4%, phosphoric acid 20%, Potash 5%.

100 lb. bag.....	\$3.75	10 lb. bag.....	\$0.85
50 lb. bag.....	2.25	5 lb. bag.....	.45
25 lb. bag.....	1.45	1 lb. bag.....	.10

Add postage. Send for circular.

## LAWNETTE FERTILIZER SPREADER



No. 115

No. 15

Scatters Plantone or any other fine fertilizer or material evenly over your lawn. The easy, quick, dependable way of distribution. Saves time, prevents bunching, burning and bare spots.

**No. 15.** 14 inches wide, capacity 300 square feet to one filling of plant food. 7-inch steel disc wheels. Weight, 10 lbs. **Price, \$4.00;** add postage.

**No. 115.** 16 inches wide, capacity 600 square feet to one filling of plant food. 1x10-inch steel disc wheels. Weight, 17 lbs. **Price, \$7.75;** add postage.

**No. 215.** 24 inches wide. Capacity, 1800 square feet to one filling. 1¼x12-inch steel disc wheels. Weight, 40 lbs. **Price, \$13.50;** add postage.

**No. 315.** Spreads 36 inches wide. Capacity 1.75 bushels. 115 lbs. of plant food will cover 2700 square feet to one filling. For large lawns, estates, park and golf courses. 2½x12-inch double disc steel wheels. Shipping weight, 51 lbs. **Price, \$22.00.**

# GROMORE

Nothing better for flowers and house plants. A tablespoonful to hill of potatoes, tomatoes or ordinary rose bushes means abundant flowers, crisp and early vegetables. A teaspoonful for 6 to 8 in. potted plant. The small amount that it is necessary to use makes Gromore one of the most economical fertilizers. 2-lb. pkg. 25c; add postage.

An inexpensive fertilizer spreader, distributes evenly. Made of especially strong fiberboard paper.

Price, 75c; postpaid, 90c.



**PLANTABBS**

Plantabbs are small, clean tablets without odor. Nitrogen, ammonia, phosphoric acid and potash in proper balance. Especially good inside where smelly fertilizer cannot be used. Plant one tablet in each pot every two weeks and you'll have the finest flowers you ever grew. **Box of 10 tablets, 10c; 30 tablets, 25c; 200 tablets, \$1.00, postpaid.**



**INOCULATE ALFALFA,  
CLOVERS, VETCHES,  
PEAS AND BEANS  
WITH NITRAGIN**

Nitragin is not a dry inoculant, but contains 30% to 40% moisture and will readily adhere to the seed without the addition of water and produce splendid results. The use of water is recommended when mixing legume culture with seed. All unsold packages are destroyed each year by a factory representative. Each can is dated.

### Nitragin Prices, Postpaid—Alfalfa and Clovers

½ bu. size, inoculates 30 lbs. seed.....	\$0.30
1 bu. size, inoculates 60 lbs. seed.....	.50
2½ bu. size, inoculates 150 lbs. seed.....	1.00

### Peas, Beans, Vetches

½ bu. size, inoculates 30 lbs.....	\$0.25
1 bu. size, inoculates 60 lbs.....	.40
5 bu. size, inoculates 300 lbs.....	1.70
12½ bu. size, inoculates 750 lbs.....	4.00

12½ bushel size for vetch and peas only.

**New Garden Size, for garden peas, beans, sweet peas.**

Inoculates any amount up to 4 lbs. seed..... .10

When ordering specify seed you are going to inoculate.

## ADCO

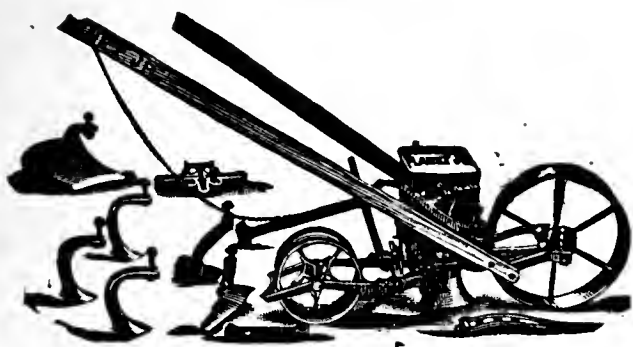
Adco is a powder which when mixed with all kinds of vegetable refuse such as stalks, withered leaves, cabbage leaves, are converted into manure. The refuse is arranged in layers, saturated with water and then sprinkled with Adco, according to the directions which accompany each bag.

Keep the heap moist and turn in the dry outside portions. In from three to six months the heap becomes converted into real manure of excellent quality. **25-lb. bag, \$2.50;** add postage. Enough for 12 wheelbarrow loads of garden waste.



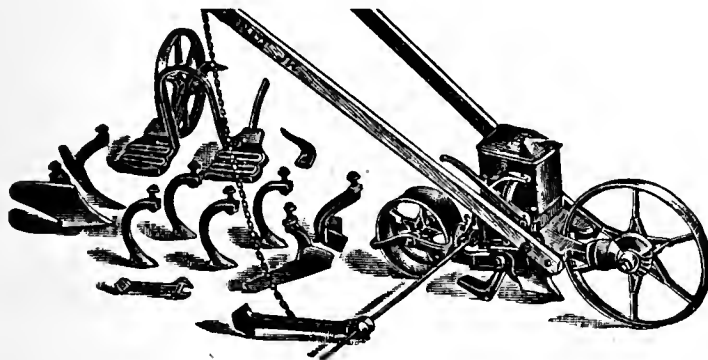
SEEDERS

No. 4 Planet Jr.



It combines in a single implement a first-class, hill-dropping seeder, a single wheel hoe or weeder, a cultivator and a plow. The hopper holds two quarts of seed, which can be sown in continuous rows, or dropped in hills, at 4, 6, 8, 12 or 24 inches apart. Price complete, \$20.50. Seeder only, \$16.30.

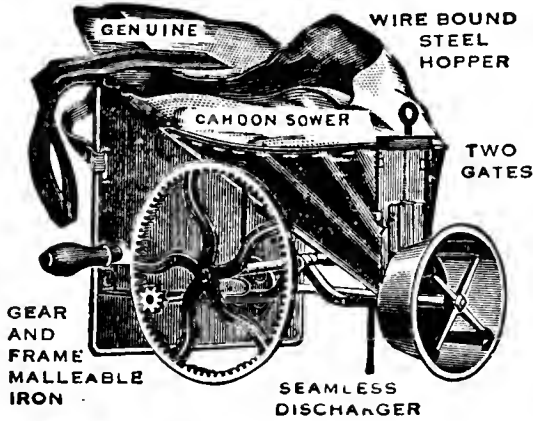
No. 25 Planet Jr.



As a drill it is almost identical with the Planet Jr. No. 4 Drill, and is thoroughly substantial and accurate in sowing all kinds of garden seeds in hills or drills. Price, \$24.75.

Genuine Cahoon

The Genuine Cahoon has malleable iron frame, double gate, speeded so that step of operator at an ordinary gait corresponds to one complete turn of the handle. Secure the genuine original Cahoon Seeder. Price, \$6.00, weight 8 lbs.; add postage.



**Wheelbarrow.** They run easily, and sow evenly in windy weather. The quantity of seed sown is accurately governed by the wheel, which moves correspondingly slow or fast as the machine runs over the ground. It has a strong steel wheel, 32 inches in diameter, with an inch and a quarter by one-quarter inch steel tire; 14-foot spread. Price, \$18.00.

IMPROVED CYCLONE



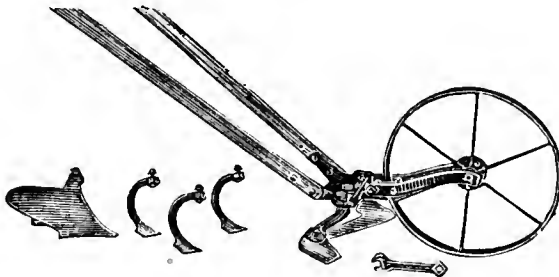
Price, \$2.50; add postage.

The improved "Cyclone" is the only hand seed sower that is framed together with a slope feed board.

Automatic feed shut-off starts or stops flow of seed instantly. The improved "Cyclone" is guaranteed to sow perfectly all seed that can be sown broadcast, such as clover, timothy, millet, flax, wheat, oats, alfalfa, etc., etc. Weight 5 lbs.

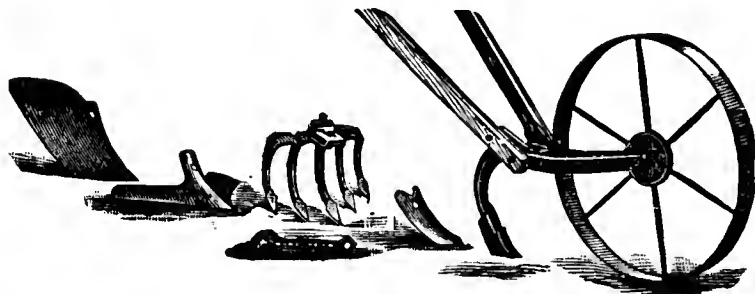
CULTIVATORS

No. 17 Planet Jr.



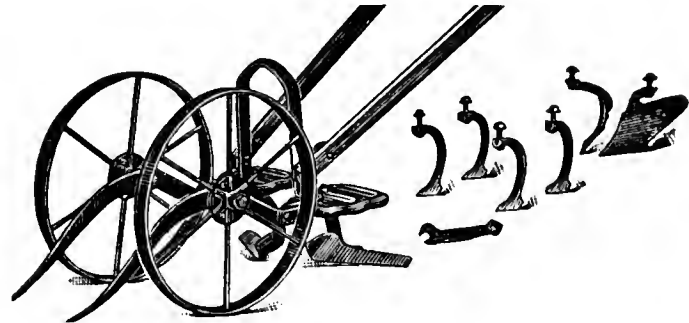
Wheel can be placed on outside of wheel arm to work both sides of the row at one time. With the plow, all the necessary plowing, opening and closing of furrows for seed, fertilizer, etc., and hilling of plants can be done. Price, \$8.45.

No. 19 Planet Jr.



No. 19. This attractive implement is especially designed for the farmer's garden work. The height of the handles can be changed to suit. Price, \$5.35.

No. 12 Planet Jr.

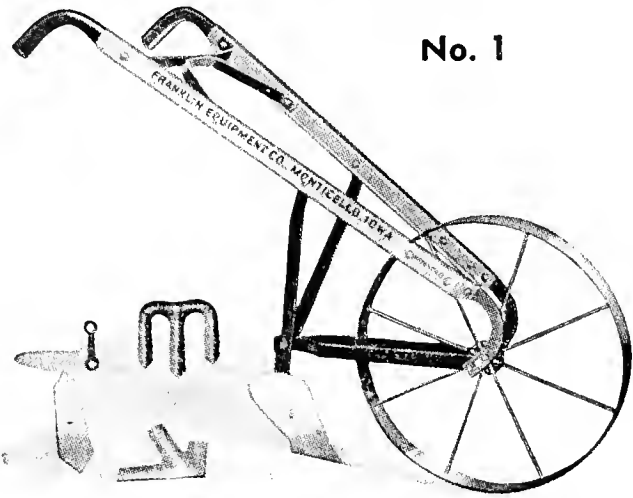


No. 12 runs either astride or between the rows; kills all the weeds and leaves the earth in fine shape. Price, \$12.15.

Planet Junior's Extras

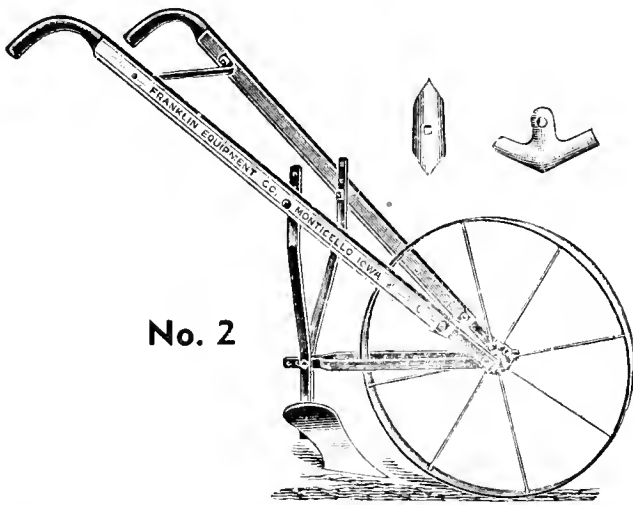
Size—	Price	Weight
	Pair	Pair
Hoes, 6 inch .....	\$1.50	3 lbs.
Hoes, 7½ inch .....	1.75	3 lbs.
Hoes, 9 inch .....	1.85	3 lbs.
Rakes, 3 teeth .....	1.00	2 lbs.
Rakes, 5 teeth .....	1.60	2 lbs.
Rakes, 7 teeth .....	2.25	3 lbs.
Cultivator teeth, each .....	.40	1 lb.
Plows for double wheel hoes, each.....	1.55	3 lbs.
Plows for single wheel hoes, each.....	1.20	3 lbs.
Double mould board plow.....	1.85	
Handles, per pair .....	1.40	3 lbs.
Add postage.		

## SEEDERS AND CULTIVATORS (Continued)



No. 1

No. 1. Handles made of hollow pressed steel 1x2 inches. No wood to split, crack, or warp. 24-inch wheel, 1¼-in. tire. Hub 3¼ in. in width. Adjustable handles. By loosening one bolt handles can be raised or lowered. Three-hole adjustment permits changing the draft to suit different soils. Price, \$5.00.



No. 2

No. 2. Handles made of hollow pressed steel 1x2 in., 24-in. diameter wheel, 1¼-in. tire, 3¼-in. hub. Price, \$4.00.

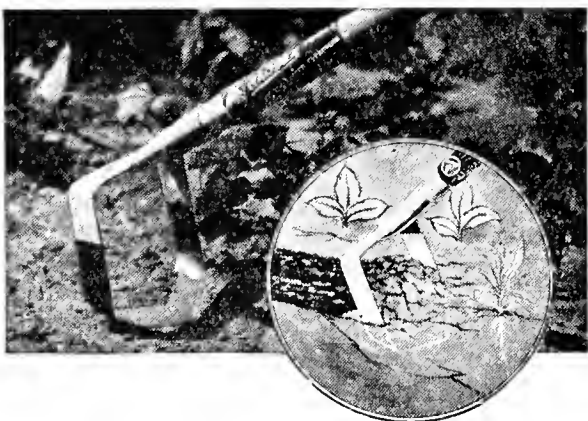


### HAND PLOW

For hilling corn, potatoes, plants, etc. Covering furrows and making irrigation ditches. With an easy pull it digs in and works well in light or heavy soil.

No. 200. 6 in. wide, 5 ft. handle, weight 3 lbs. Price, \$1.75; add postage.

## GARDEX GARDEN TOOLS



—are a great improvement over other types. The easy pulling principle has revolutionized home garden practice.

**PULL HOE.** A decided advantage in this hoe is that the soil flows through the hoe, thus leaving the soil finely mulched and an even surface. It weeds and cultivates in one operation.

No. 1004. 4 in. wide, 4½ ft. handle, weight 3 lbs. Price, \$1.10.

No. 1005½. 5½ in. wide, 5 ft. handle, weight 3 lbs. Price \$1.25. Add postage.

## CULTIVATOR CLAW

Just the tool for flower and rock gardens. With the long handle, you can get at those inaccessible places, close to plants, in between rocks, under shrubbery.

No. 180. 4½ ft. handle, weight 3 lbs. Price, \$1.00; add postage.

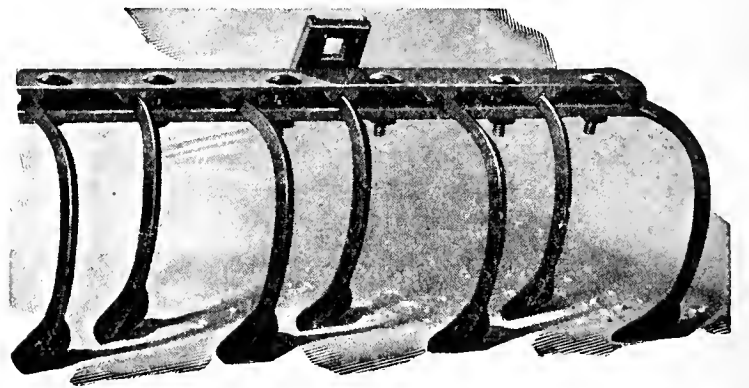


## CULTIVATOR HOES



Two prongs are changeable for rows of any width. Loosening nuts, releases the prong. Works between rows or center prong can be removed and rows straddled. 4½ foot handle. 5-prong, price, \$1.25, weight 5 lbs.; 3-prong, price, \$1.00, weight 4 lbs.; 5-prong with head, no handle, \$1.00, weight 4 lbs.; 3-prong with head, no handle, 75c, weight 3 lbs.; prongs, each 15c; add postage.

## CULTIVATOR ATTACHMENTS

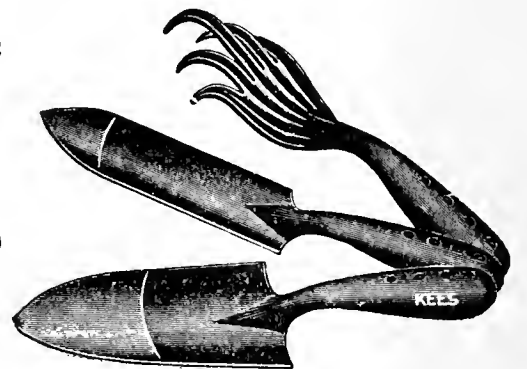


Prongs are made of best forged blades and each prong can readily be removed. Attachable to any standard plow on the market. Permits a scope of cultivation impossible with stationary prong cultivators. Width 12 inches. Weight, 3 lbs. Price, \$1.50; add postage. Prongs, each, 20c; bolts, 10c.

No. 82

No. 81

No. 80



## GARDEN TROWELS

**No. 80 Garden Trowel.** One-piece heavy pressed steel. Blade 6¼ inches long, 3⅞ inches wide, handle 5 inches long. Blade ground and polished. Handle perforated. Beautiful dark blue lacquer finish. Price, 15c; postpaid, 20c.

**No. 81 Transplanting Trowel.** One-piece of heavy pressed steel. Blade 6¼ inches long by 1⅞ inches wide. Otherwise like No. 80. Price, 15c; postpaid, 20c.

**No. 82 Garden Weeder.** Has five corrugated fingers with ground and polished points. Round, perforated handle. Blue lacquer finish. Length over all, 9½ inches. Price, 15c; postpaid, 20c.

**No. 183 Garden Set.** Above three pieces. Price, 40c; postpaid, 50c.

PLANTERS

CORN PLANTER

No. 311 Segment. Automatic slide type. Segmental pressed steel side, adjustable for number of kernels. running in segmental steel track. Chinese bristle brush cut-off. Double soil steel spring, adjustable depth gauge, fixed dump lever, galvanized hopper with hinged cover, galvanized seed spout. Can be used also for planting beans. Pumpkin seeds may also be planted by operator dropping seed into hole in spout. Weight, 5 lbs. Price, \$2.25; add postage. Springs, each, 25c.



No. 306

No. 311



CORN PLANTER

No. 306 Triumph. The segmental slide is of pressed steel, adjustable to vary the drop. The jaws are of pressed steel securely riveted to hardwood sides, and the cover of hopper is also steel with hinges to fit over the top. The hopper, hopper bottom and conveyor tube are of pressed steel, thus making the planter complete, without a casting in its construction. Weight, 5 lbs. Price, \$1.40; add postage.



No. 301

POTATO PLANTER

No. 301 Pingree, is practically the same as the Acme Tubular without the tube down the handle. You lift the planter up and drop the potato in the lower part. It is light and a very satisfactory planter. Weight 5 lbs. Price, \$1.35; add postage.



MASTER'S RAPID PLANT SETTER

Each plant is SET, WATERED and COVERED in one operation without any stooping and no lame backs. A man simply walks along in an upright, comfortable position and will set from 8,000 to 15,000 plants per day and never have to bend his back. It does perfect work. The roots of each plant are put into the ground in a natural position and firmly set by the absorption of the water. Weight, 6 lbs. Price, \$6.00. Springs, each, 15c; add postage.

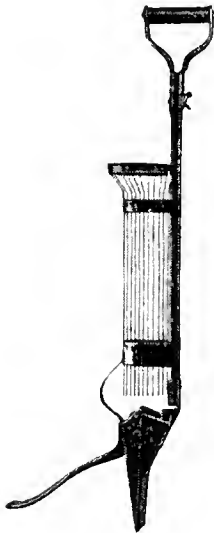


LANG PATTERN WEEDER

No. 87. Hand Weeder, made of one piece of hard, stiff steel. Ground edges and baked black enameled handle. Enameled in bright colors. Price, each 15c; postpaid, 20c.

POTATO PLANTER

No. 302 Self-locking Tubular. The jaws are formed from bright steel dipped in a special preparation to prevent rust. The lock is secured by the front jaw slipping down 3/8 of an inch, which causes a pair of studs on its upper corners to slip over corresponding shoulders in the rear jaw. When thrust into the soil to deposit the seed, the front jaw is pushed up, releasing the lock. Galvanized iron tapered conveying tube. Weight, 6 lbs. Price, \$2.00; add postage.



No. 303

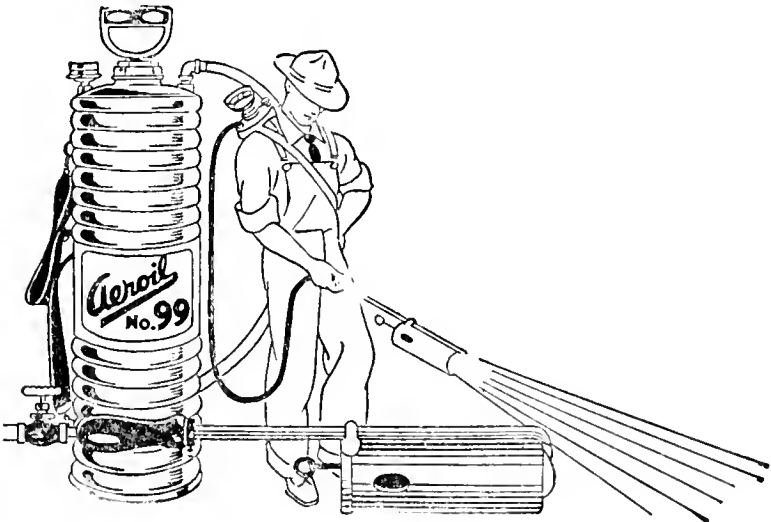
No. 302



POTATO PLANTER

No. 303 Wire Tubular. Strong hardwood handle, set into malleable iron socket securely riveted to back jaw. Foot plates provided on socket. Adjustable dump or depth gauge. Wire mesh conveying tube by which each seed can be seen when passing through the tube. Weight, 6 lbs. Price, \$1.75; add postage.

AEROIL WEED BURNER



Has no equal for burning weeds, sterilizing soil, burning tree stumps, destroying insect pests, and 100 other uses. Railroads are using these very extensively to keep their right of way free from weeds. A very convenient and useful article on a farm.

Complete Equipment Includes: 4 gal. fuel and air tank, tested at 100 lbs. and made of copper-bearing, corrugated, extra heavy galvanized steel, with all seams and fittings WELDED (not soldered); 2 in. BRASS AIR PUMP, equipped with a BRASS check valve (not rubber); a PRESSURE GAUGE; 7 ft. high test oil-resisting RUBBER HOSE with brass nipples; seamless steel COIL BURNER and WINDSHIELD with BRONZE REGULATING VALVE. Fuels used: Kerosene, gasoline, stove oil, range oil or light furnace oil.

No. 99 Sr. 21 lbs. Price .....\$20.00  
No. 99 Jr. 16 lbs. Price ..... 15.00

Add postage. Only difference in burners is size.



## DUSTERS

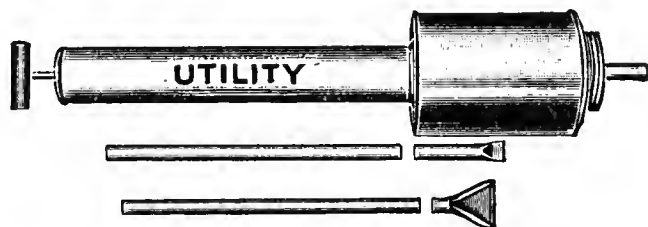
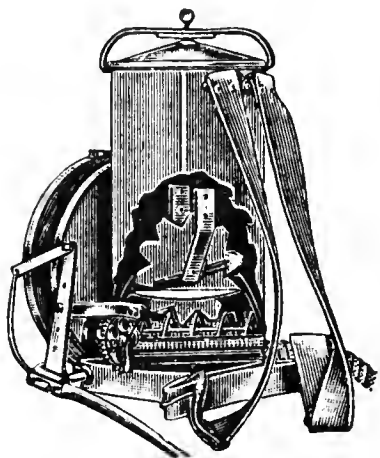
### AMERICAN BEAUTY

The World's Finest  
One-Man Duster

When dusting is to be well done and a great deal depends on perfect protection from insect pests and disease, the supremacy of the American Beauty has never been questioned.

Its high quality, stability and perfect performance make it ideal for growers of valuable crops.

Price, \$22.00. Weight, 18 pounds. Add postage.



No. 667. A large size duster, pump operated, and is adapted to field crops such as potatoes, onions, melons, beans, etc. Pump sheet steel, 2 3/4 inches by 12 inches. Furnished with a straight flat nozzle, also with a broad angle tip for reaching underside of leaves. Price, \$1.25. Weight, 6 lbs.; add postage.



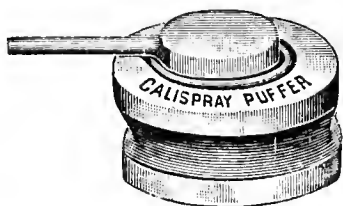
No. 663. Medium size but very efficient when used around restaurants, stores, offices, etc., in applying any sort of powder for the extermination of bed bugs, roaches, ants, etc. Price, 50c. Weight, 2 lbs.; add postage.



No. 660. Small size but a great favorite when used about the home for any kind of insecticides in powder form. Price, 40c. Weight, 2 lbs.; add postage.

### CALISPRAY PUFFER

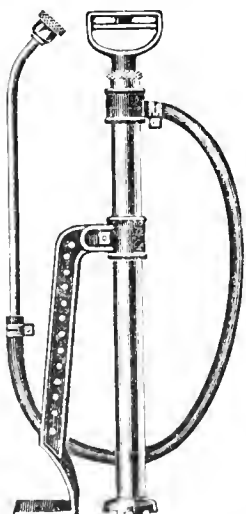
Most powerful dust puffer built. Made of metal with heavy bellows. Ideal for applying flea, fly, moth, or insect powders. Easy to fill. Holds two ounces. Throws cloud 4 to 6 feet. Price, 40c; postpaid, 40c.



## PUMPS

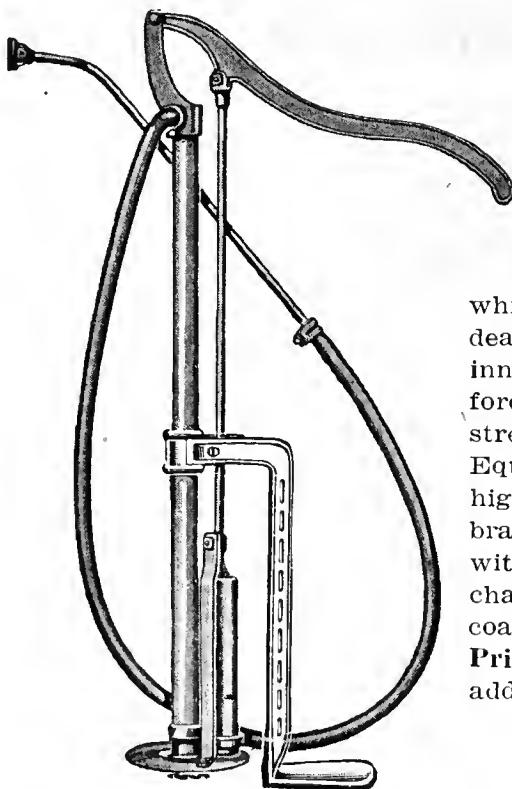
No. 1310 is a double acting continuous high pressure pump and discharges two quarts per minute. Handles all the ordinary spraying material such as whitewash, cold water paints, insecticides, etc.

Equipment—3 feet of 3/8-in. high pressure spray hose, 12-in. brass extension rod, brass nozzle with interchangeable discs. Dasher type agitator and malleable iron foot rest. Price, \$3.75. Weight 5 lbs.; add postage.



## PUMPS

No. 1340, a high pressure pump with agitator. Will deliver up to two quarts of very fine spray per minute or three quarts per minute of coarse, whitewash, creosote, or bordeaux spray. By removing inner or breaker disc, a forceful solid continuous stream may be maintained. Equipped with 3 feet 3/8-in. high pressure hose, 12-in. brass extension rod, fitted with nozzle cap with interchangeable discs for fine or coarse spray or solid stream. Price, \$6.75. Weight 19 lbs.; add postage.



No. 546. Self-filling funnel attached top. Drain plug in bottom of tank. Screw top tank with all brass plug and collar. All rolled edges on top and bottom of tank. Side seams completely riveted and sweat soldered. Brass extension rod; 24 in. of 1/8-in. spray hose. Made to stand 150 pounds pressure. Specifications. Tank, 7 1/4 in. diameter by 16 in. high. Made of galvanized aluminum finish. Capacity, 2 1/2 gallons. Pump, 1 3/4 x 12 in. Seamless copper tubing. Brass ball and valve cage. Price, \$4.25. Weight, 9 lbs.; add postage.

### NEW TYPE COMPRESSED AIR SPRAYER

#### Drop Head and Open Head

This is an entirely new type of compressed air sprayer. Notice the drop head and open head features which not only save time in filling, but makes it unnecessary to take pump out, thus avoiding the danger of getting sand or dirt into the pump. The head can be dropped. The tank filled and closed in 30 seconds. Drop head cannot be operated while the tank is under pressure.

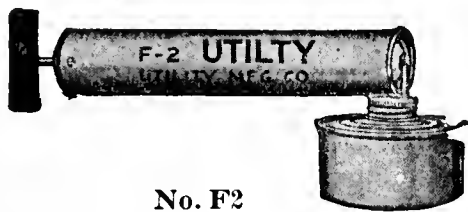
Specifications. Pump, 1 3/4 in. in diameter by 14 in. long, seamless copper tubing with brass ball check valve. Equipment, brass nozzle of automatic type; 24-inch copper extension rod equipped with 120 degree elbow for underneath spraying, and a 24-inch specially moulded spray hose. Capacity, 3 1/2 gallons. No. 525. Price, \$5.25. Weight, 10 lbs.; add postage.



SPRAYERS (Continued)

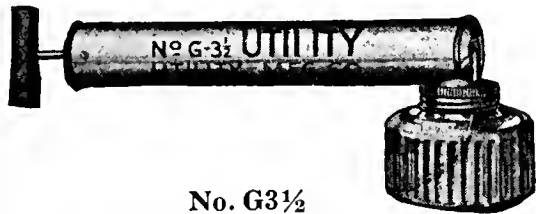


No. 505. A very popular model of high pressure. Screw top tank, brass plug and collar. Tank, self-filling, 7¼ in. x 21 in. Funnel top. Pump, seamless copper tubing 1¾ in. x 14 in. Fitted with brass nozzle head and automatic shut off. Pump made of galvanized steel. Capacity 3½ gallons. Weight 9 lbs. Price, \$4.50. Add postage.



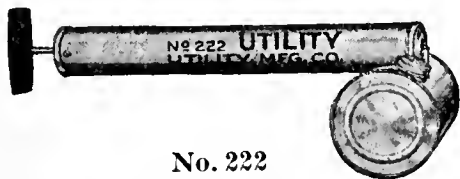
No. F2

This sprayer is particularly designed for household uses and handles fly oils, moth preventives and all household disinfectants. Price, 25c. Weight, 1 lb.; add postage.



No. G3½

The G3½ has container of clear glass with large base diameter which prevents tipping; fluted sides adding to strength, and large opening making it easy to fill. Capacity, 4½ ounces. Price, 30c. Mailing weight, 2 lbs.; add postage.



No. 222

Made of heavy tin, capacity about ¾ pint. Price, 35c. Mailing weight, 2 lbs.; add postage.



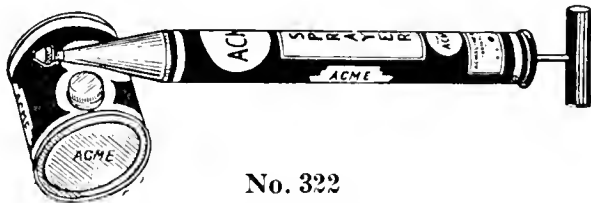
No. 326

Perfect atomization into a very fine spray. Material heavy tin. Capacity, 1 quart. Mailing weight, 2 lbs. Price, 50c. Add postage.

CONTINUOUS

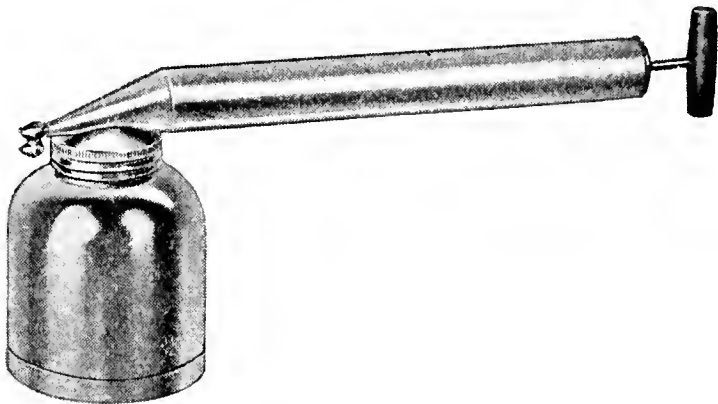


No. 363. Continuous double nozzle sprayer with uniform discharge. Glass tank permits use of the most caustic insecticides. Double nozzle for up-shoot spraying. Brass feed tube is removable for cleaning. Capacity, 1 quart. Mailing weight, 2 lbs. Price, \$1.15. Add postage.



No. 322

A new development in continuous hand sprayers. This continuous sprayer will spray at any angle between straight up and straight down. All other types drizzle and spit when operated straight up or down. Capacity, 1 quart. Price, 90c. Mailing weight, 2 lbs.; add postage.

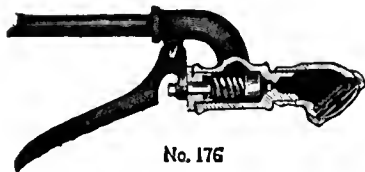


No. 364A Sprayer is constructed of finest quality materials, insuring long dependable trouble-free service. It is an all-purpose sprayer, using any liquid spray as specified for household purposes, livestock, insecticide, disinfectant, etc. The seamless solid brass pump and solid copper tank will last a lifetime. Twin nozzles for straight or up-shoot spraying. Capacity, 1½ quarts. Mailing weight, 4 lbs. Price, \$1.75. Add postage.

NOZZLES



Bordeaux. The handle is built close down to the body and is shaped so as to avoid catching in the branches. Easily adjustable for fine or coarse streams or fine spray. Price, 60c; postpaid, 70c.



No. 176



No. 168



No. 166

With the patented feature the shut-off is always at discharge regardless of what length of pole is used. This eliminates use of stop-cock. Nozzle seats are brass, not rubber.

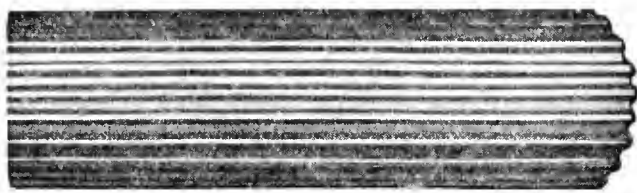
No. 176 Nozzle. ⅛-in. pipe for ⅜-in. hose. \$1.50; postpaid, \$1.60.

No. 176 Nozzle. ¼-in. pipe for ½-in. hose. \$1.50; postpaid, \$1.60.

Angle Nozzle only, No. 168, 75c. Straight Nozzle only, No. 166, 75c; postpaid, 80c.



Adjustable Nozzle. Can be adjusted to any angle. Each, \$1.00; postpaid, \$1.05.



### HOSE

**SPRAY.** Made with a special inner liner not affected by the action of ordinary spray material. A very superior quality. Cheaper grades not handled.  $\frac{3}{8}$ -inch, 15c per foot.

**GARDEN.** Coupled, ready to attach to your lawn connection;  $\frac{5}{8}$ -inch. The different grades herewith quoted are special quotations and are exceptionally good values. 50-ft. lengths: **Premier.** Weight, 13 lbs. **Price, \$3.25.** Add postage.

**Neptune.** Weight, 14 lbs. **Price, \$4.90.** Add postage.

### INSECTICIDES, FUNGICIDES

As the use of insecticides and fungicides are beyond our knowledge and control and involving elements of risk to vegetation, we do not make any warranty, expressed or implied, as to the effect of such use whether or not used in accordance with directions or claims so to be.

Write for prices, stating size and quantity wanted, as following quotations are not guaranteed.

## SPRAY MATERIALS

As it is impossible to quote definite prices on insecticides at present, these quotations are not guaranteed.

### ALL ROUND SPRAY

All Round Spray will sweep away your insect troubles. A triple service product composed of the popular remedies for the three major classifications of pests. Effective, yet hardly more than the price of one.

Nicotine Sulphate, to control sucking insects such as aphids (plant lice), thrip and leaf hopper.

Arsenate of Lead, to destroy the chewing insects, slugs, beetles, caterpillars, worms.

Bordeaux Mixture, to prevent blight and fungous diseases.

$\frac{1}{4}$  lb. 25c; add postage.



## ATLACIDE

CHLORATE WEED KILLER

**Atlacide Non-Poisonous Weed Killer Duster** exterminates all undesirable vegetation including Poison Ivy, Canada Thistle, Johnson Grass, etc., without danger of poisoning humans or animals. Simply shake powder from can on the weeds and grasses to be killed. 100-lb. drum kills 10,000 sq. ft. of weeds. Put up in 5, 15, 50, 100 and 200 lb. packages. Ask for prices.



### ARSENATE OF LEAD

Owing to unsettled conditions the quotations made on spray materials are not guaranteed. Write for price, stating size and quantity wanted.

**Dry Powder Arsenate of Lead** may be used as a liquid spray or dust spray. If applied as a liquid spray it is usually used 1 pound to 1½ pounds to 50 gallons of water when applied to control codling both or other chewing

insects. For potato beetles and other insects that are hard to kill use 2 to 3 pounds to 50 gallons of water.  $\frac{1}{2}$  lb. 20c; 1 lb. 30c; 4-lb. pkg. 60c; case, 48 lbs. \$7.00. Add postage.

### BOTANO DUST

A high strength Rotenone dust useful in controlling certain Aphids, Thrips, Worms, Beetles, Spittle Bugs on vegetables or other plants where a non-poisonous residue is desired. Packed in new "puffer-duster" carton. **Price, 35c.** Mailing weight, 2 lbs.; add postage.

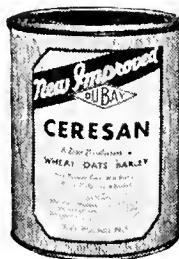


### BORDEAUX MIXTURE

Widely used to control fungous diseases such as Peach Curly Leaf, Peach Blight, Pear Scab, Strawberry Rust, Potato Blight. It stays in suspension well, adheres to the foliage and can be used in combination with Paris Green, Arsenate of Lead or other insecticides. 1 lb. 30c; 4 lb. pkg. 50c. Add postage.

### BLUESTONE

Used successfully in winter sprays, also used largely for the treatment of wheat to prevent smut. Use 1 pounds to 5 gallons of water. **Lb. 15c; 2 lbs. 25c; 10 lbs. \$1.00.** Add postage. If wanted in 100-lb. or barrel lots, market price.



### CERESAN

**Barley.** Stripe and covered smut are usually eliminated by the use of this simple dust treatment. Ceresan is the first satisfactory dust disinfectant available for the control of these barley diseases.

**Oats.** Excellent control of loose and covered smuts may generally be obtained by seed treatment with Ceresan.

**Wheat.** Ceresan is very effective in the control of bunt or stinking smut and is recommended for the control of seed-borne flag smut.

For wheat use  $\frac{1}{2}$  ounce per bushel of seed. For oats and barley 3 ounces per bushel of seed.

1-lb. tin, 70c; 5-lb. tin, \$3.00. Add postage.

### COPPER CARBONATE 54-55 %

Copper Carbonate possesses every requisite physical and chemical quality to insure maximum results. Two ounces per bushel is sufficient to insure full coverage. Avoid inhaling the Copper Carbonate dust. The treated grain should not be fed to chickens or livestock. 5-lb. pkg. \$1.25; 10-lb. pkg. \$2.40; case, 40-lbs. \$8.80. Add postage. Drum, 125 lbs., \$26.25.

### COPPER CARBONATE 18%

5-lb. pkg. 75c; case, 40 lbs., \$5.60. Add postage.

Quotations not guaranteed. Ask for prices, stating amount

### RESPIRATORS

For protection at dusty work, such as handling dry chemicals, fertilizer, metallic powders, and other dusty material. **Price, \$1.75; postpaid, \$1.85.**

Filters, or sieves for respirators, lot of 100, \$1.25.

Liquid, Respirators, \$1.00.



Against sucking insects, such as Green and Woolly Aphid, Pear Psylla, Grape Leaf Hopper, Pear Thrips, etc., one part "Black Leaf 40" to about 900 to 1,000 parts water.

Against more resistant plant lice, such as Black Aphid and Rosy Apple Aphid, one part "Black Leaf 40" to about 500 to 700 parts water.

1-oz. bottle, 35c; 5-oz. bottle, \$1.00; 1 lb. \$2.25; 2 lbs. \$3.25; 10 lbs. \$10.60. Add postage.



DRY LIME SULPHUR

Containing Other  
Compounds

1 lb.....	\$ .30
5 lbs.....	1.25
10 lbs.....	2.25
25 lbs.....	2.50
50 lbs.....	4.50
100 lbs.....	8.25

Add postage.

Directions. From 10 to 12 pounds of Dry Lime Sulphur dissolved in 50 gallons of

water should be used as dormant spray against scale, red spider, etc. From 2 to 3 pounds to 50 gallons of water in combination with the usual proportion of Dry Arsenate of Lead should be used for summer spraying on all seed fruits, such as apples, pears, quinces, etc.

SULPHUR

For making lime sulphur solution.

Ton .....	\$3.00	per 100 lbs.
Less than ton .....	\$3.12½	per 100 lbs.
Less than 1000 lbs.....	3.25	per 100 lbs.
Less than 500 lbs.....	3.50	per 100 lbs.

DIRECTIONS

Barley. Put 1 pint in 40 gallons of water, dip barley in loose gunny sacks. soak for 2 hours; spread out and dry after draining.

Oats. Use 1 pint in 10 gallons of water. This quantity will treat 55 bushels.

Potatoes. Use 1 pint to 15 gallons of water. Heat solution 118 degrees to 122 degrees Fahr. Dip uncut potatoes for 2 minutes, then cover with canvas for an hour.

Wheat. Put 1 pint in 40 gallons of water and follow directions given for barley.

Price: Pints, 40c; quarts, 70c; gallon, \$2.25; 60-lb. keg, 6 2/3 gallons, \$12.00. Pints and quarts packed in glass. Gallons in glass or jugs. Packed carefully but safe delivery not guaranteed. Not mailable.

ORTHO GARDEN SULPHUR

A superfine powdered sulphur suitable for use as a dust or as a liquid spray to control powdery mildew, apple scab, brown rot, red spider, etc. 2-lb. carton, 25c; 5-lb. carton, 50c. Add postage.



Two Types of Insects

There are two types of insects—chewing, which eat the leaves and blossoms; sucking, which suck the sap from leaves or stems. EVER GREEN kills both chewing and sucking insects. The sucking insects must be killed by "contact". Chewing insects can be killed by spraying insecticides on the leaves that they feed on.

Non-poisonous. Non-injurious to plants or animal life.

1-oz. bottle, 35c; postpaid, 45c. 6-oz. bottle, \$1.00; postpaid, \$1.10. 16-oz. bottle, \$2.00; postpaid, \$2.15. Gallon can, \$9.50; postpaid, \$9.75. Safe delivery not guaranteed on glassware.



HAMMOND'S  
SLUG-SHOT

For destroying slugs, cabbage and turnip flea, currant worms, etc. Lb. pkg. 30c; 5-lb. pkg. \$1.25; add postage.

HAMMOND'S GRAPE DUST

To prevent mildew on roses, grapes and gooseberries. Lb. pkg. 40c; 5-lb. pkg. \$1.50; add postage.



NICO-FUME LIQUID

For Spraying. For Green Aphis, Thrips, etc., use 1 to 2 teaspoonfuls of liquid to each gallon of water. For more resistant plant lice, 3 or 4 teaspoonfuls to each gallon of water.

For Fumigating. One ounce (2 tablespoonfuls to each 4,000 cubic ft. of space, to furnish a strong fumigation. For extra strong fumigation, 1 oz. (2 tablespoonfuls) to each 2,000 cubic feet of space. 1 lb. \$2.25; 8 lbs. \$10.00; add postage.

OIL SPRAY, DORMANT

Directions. For San Jose Scale, Oyster Shell Scale, Aphis, and to prevent hatching of Brown Mite and European Red Mite, one quart makes 6 gallons. Apply just before buds open.

Gallons, \$1.00, weight 10 lbs.; quarts, 50c; weight 3 lbs; add postage.

OIL SPRAY, SUMMER

Directions. For Red Spider, Aphids, Scale Insects, etc., on shrubbery, ferns, potted plants, nursery stock, deciduous and citrus trees, use 1 quart to 12 gallons water, or 5 tablespoonfuls to 1 gallon. For Mealy Bug use 1 quart to 8 gallons of water or 8 tablespoonfuls to 1 gallon.

Carefully cover all infested parts. Plants should be well watered previous to spraying. Have mixture well agitated and in complete solution.

Gallons, \$2.00, weight 10 lbs.; quarts, 85c, 3 lbs.; pints, 60c, 2 lbs.; add postage.

PARIS GREEN

Paris Green is effective against all chewing insects. Price, ¼s, 20c; 1s, 50c; 4 lbs. \$1.75. Not mailable.

TOBACCO DUST, BULK

For green and black aphids, fleas, beetles. 1 lb. 15c; 2 lbs. 25c; 10 lbs. \$1.00; 25 lbs. \$2.25; 50 lbs. \$4.25; 100 lbs. \$7.50. Sealed packages, 2 lbs. 30c; 10 lbs. \$1.25. Add postage.

All quotations on spraying material subject to change. If you want a quantity write for prices.



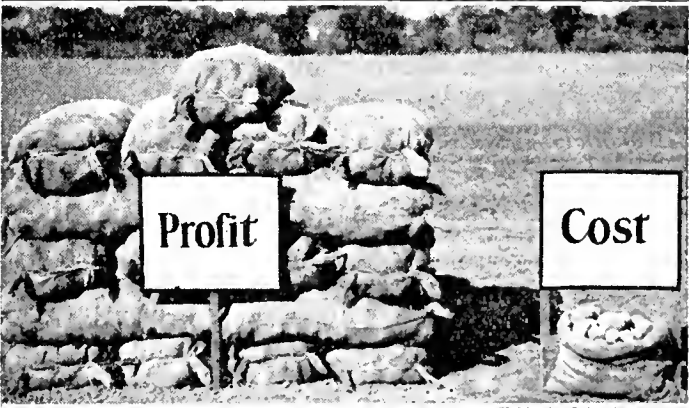
SEMESAN

For most flower and vegetable seeds use 1 ounce of Semesan to each 15 pounds, but to dust field crops use 2 ounces per bushel for the large varieties of seeds or 3 ounces for the small kinds.

This modern disinfectant comes in dust form and can be applied to control a most diversified variety of parasitic diseases and fungoid growths borne by seeds, plants, grafts and soil. Semesan is harmless to seed and plant life but extremely poisonous to disease and fungus organisms.

2-oz. tin, 35c; 1-lb. tin, \$2.25; 5-lb. tin, \$9.90. Add postage.

IMPROVED SEMESAN BEL



In six farm tests Semesan Bel gave an average yield increase of 35.4 bushels. The untreated averaged 259.9 bushels, the treated 295.3 bushels.

Dry seed potatoes may be most conveniently disinfected before cutting by gently rolling them and the Semesan dust together in a barrel or other cylindrical container for 3 to 5 minutes or until the tubers are thoroughly coated. 4-oz. tins, 45c; 1-lb. tins, \$1.50; 5-lb. tins, \$6.75; 25-lb. pail, \$31.00. Add postage.

SEMESAN JR. Is a dust disinfectant used for the ear, root and stalk rots of field and sweet corn. By dusting seed corn with Semesan Jr., these diseases are controlled and yield increases are made possible. It is used at the rate of 3 ounces per bushel of seed. 4-oz. tin, 30c; 1 lb. 75c. Add postage.



**VOLCK**

"Garden Volck" is a Volck-Nicotine combination spray that offers the home gardener as nearly complete a garden spray as can be put in one package. It is used to control Aphids, Thrips, Scale, Mealy Bug, Red Spider, White Fly, Lace Wing Bug, Cyclamen Mite, Greenhouse Orthozia, Leaf Miner, Squash Bug, Leaf Hopper, Small Caterpillars, Leaf Spot, Mildew. 3½ oz. 35c; pint, 85c; quarts, \$1.25; gallon, \$3.00; 5-gallon tin, \$10.00. Add postage.

"Nursery Volck" is the high quality Mineral Oil Spray for general nursery and garden use. It is safe and effective. It is not to be confused with "Garden Volck" which contains soap and nicotine, but is recommended for the same pests as Garden Volck with the exception of Aphids, Thrips, Small Worms and Bugs. Pint, 50c; quart, 75c; gallon, \$2.00; 5-gallon tin, \$5.00. Add postage.



"Greenhouse Volck" is a special "Volck" for use on tender plants under lath or glass. It is exceptionally safe to tender foliage. Unusually effective against Mealy Bug. Also controls Scale, White Fly, Red Spider, etc. Gallon, \$2.00; 5 gallons, \$5.00. Add postage.

**WHALE OIL SOAP**

A full strength liquid whale oil soap. Soluble in hard or soft water. Used as a spreader for Black Leaf 40 and other sprays. Quart, 50c; gallon, \$1.25; 5-gallon can, \$4.00. Add postage.

**RODENT DESTROYERS****WOODLARK  
SQUIRREL POISON**

Requires no mixing preparation—always ready for use. When you buy demand the best. Get the "Woodlark" brand. Per lb., 40c. Not mailable.



Mouse Seed can be used without bait, without traps, without muss. Mouse Seed is real seed—that kills mice. It attracts them wherever it is left. Pour a pile of seeds out of the package on a saucer. The mice, attracted by the flavor, will know the kernels, leaving the husks. Oz. pkgs. 25c; postpaid, 30c.

**KILLS  
RATS****without poison**

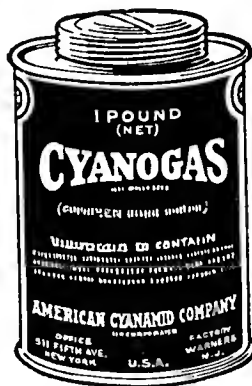
K-R-O is made of red squill, an ingredient recommended by U. S. Government as sure death to rats and mice but which will not kill anything else. K-R-O killed 238 rats in 12 hours on a Kansas farm. For sale by us on a money-back guarantee.

**K-R-O  
KILLS-RATS-ONLY**

Owing to the fact that K-R-O is harmless to human beings and animals it can be forwarded by mail. 6-oz. can mixed with bait, 35c; postpaid, 45c.

**CYANOGAS**

Prices not guaranteed on any rodent destroyer.



Kills by giving off gas on exposure to the moisture in the air. The residue after the gas has escaped is largely ordinary slaked lime, which is harmless to stock.

Cyanogas. For controlling ants, rats, moles, fleas, gophers, sage rats, prairie dogs, ground squirrels, wire-worms, snails, slugs, grape leaf hopper.

Granular. 1 lb. 75c; 5 lbs. \$2.00; 25 lbs. \$6.00; 100 lbs. \$20.00.

A-Dust. ¼ lb. 30c; ½ lb. 45c; 1 lb. 75c; 5 lbs. \$2.50; 25 lbs. \$6.00; 100 lbs. \$20.00. Not mailable.

G-Fumigant. 5 lbs. \$3.00; 25 lbs. \$10.00; 100 lbs. \$30.00. Not mailable.

**ELGIN MOUSE TRAPS****Catch Mice, Not Fingers**

Elgin Mouse Traps are the last word in efficiency. Made entirely of steel, nickel plated. Trap is set with one finger, from end opposite jaws. No caught fingers. Dead rodents released without handling. Each 10c; postpaid, 15c.

Rat Traps built exactly like the mouse traps but much stronger. Each 25c; postpaid, 35c.

**ANT DESTROYERS  
ANT AND ROACH POWDER**

This fast-killing Ant and Roach Powder is manufactured by the Antrol Laboratories. It is put up in attractive, handy shaker cans, and has proved to be very effective. 1¼-oz. shaker cans, 15c; 3-oz. shaker cans, 35c; postpaid, 20c and 40c.

**ANTROL**

The containers are partially filled with syrup and then placed about the outside edges of the house. Ants smell the mildly poisonous syrup, eat it and then transmit it to their queen. Soon the entire ant nest is destroyed.

Prices. Antrol sets containing 4 containers and 1 4-oz. bottle of syrup, 75c; postpaid, 85c. Antrol Syrup. 4 oz. bottles, 25c; postpaid, 30c. Pint bottle, 60c; postpaid, 75c.

Antrol Empty Bottles. Each 10c; postpaid, 15c.

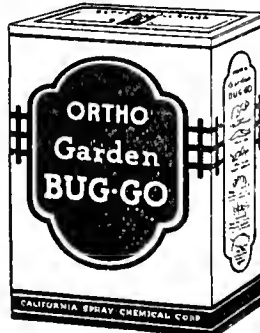
**READY FILLED ANTROL SET**

Ready-filled Antrol Set, consisting of four patented glass "feeders" filled with regular Antrol Syrup. Set, 50c; postpaid, 60c.

Antrol Flea and Lice Powder. 1 oz. 15c; 2 oz. 30c; postpaid, 20c and 35c.

**SNAROL CUTWORM KILLER**

A ready prepared meal for cutworms, snails, slugs, sowbugs, grasshoppers, earwigs, etc. It is sprinkled around plants and shrubs where the pests eat it and are quickly killed. Will not deteriorate with rain and is non-injurious to vegetation. 1½-lb. pkg. 30c; mailing weight 2 lbs. 4-lb. pkg. 65c; mailing weight 6 lbs. 15-lb. pkg. \$2.00; mailing weight, 16 lbs. 50-lb. bag, \$4.75. Add postage.

**BUG-GO**

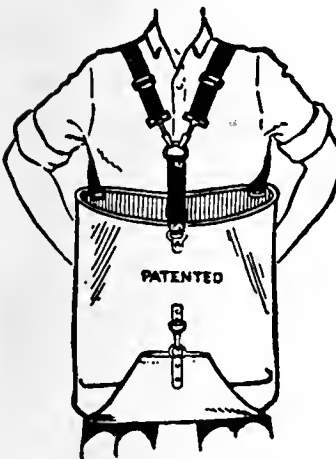
A specially prepared bait that has proved quite effective for attracting and destroying Snails, Slugs, Sowbugs, Pillbugs, Earwigs, Grasshoppers, Cutworms, Armyworms and Strawberry Root Weevils. 1-lb. carton, 20c; 3-lb. carton, 45c; 5-lb. carton, 70c. Add postage.

# ORCHARD SUPPLIES

Desire to draw your attention to the effect that owing to unsettled conditions, the quotations made on orchard supplies are not guaranteed.

## FRUIT PICKING BAG

Clover Leaf Picking Bag is constructed of heavy canvas with spring steel frame at top. The lower end of the bag folds squarely back to the steel frame at the top. The lower portion of the sack being held securely by means of a fastener. Price, \$1.75. Weight, 3 lbs.; add postage.



## INLAND FRUIT PICKING BAG

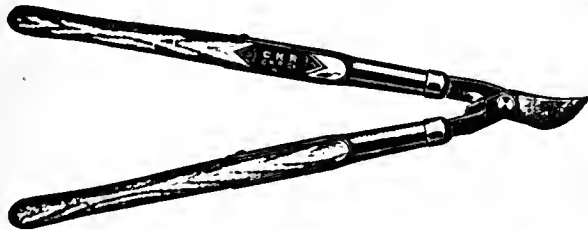
The mouth of the bag is always open, being constructed with a novel shaped metal frame so that the hands of the pickers can go with the fruit to the bottom of the bag. Bottom of the bag is opened instantly by the snap and fruit is emptied out without bruise or injury. When snapped at top loop the bag will hold one-half bushel; when snapped at bottom loop as shown in cut the bag will hold about a bushel. Price, \$2.00. Weight, 3 lbs.; add postage.

## Wire Picking Basket

Half bushel Picking Basket, with bail. No. 6 gauge hoops, No. 11 gauge body wires, mesh 7/8-inch at bottom and 1 3/16 inch at top, galvanized finish. All joints electrically welded. Will not rust.

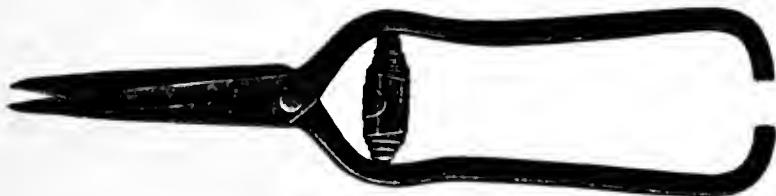
Price, \$1.25. Wt. 10 lbs. Add postage.

## CARTWRIGHT PATTERN



Blades and hooks forged from special selected quality tool steel and tempered. Handles natural finish with 4-inch strapped steel ferrule and cap finished in black enamel. No. 326. 20-inch handle, weight 3 lbs. Price, \$2.25. No. 330. 24-inch handle, weight 4 lbs. Price, \$2.50. Pruner Handles with ferrule, 20-inch, 24-inch, 30-inch, each 50c. Weight, 3 lbs.; add postage. Bolts, 20c each.

## GRAPE OR THINNING SHEARS



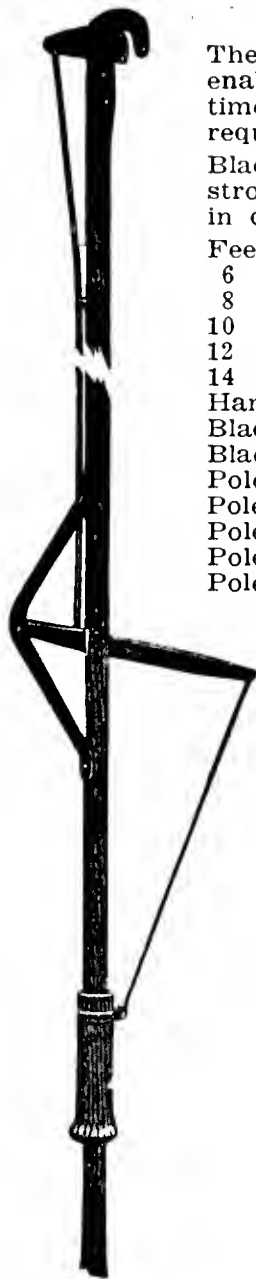
No. 203. Same as 101, but longer and has volute spring. Price, 50c; postpaid, 55c.

## BASTIAN PRUNER

The powerful lever of the Bastian Pruner enables one to do the same work in half the time and with half the labor that would be required with old-style pruner.

Blades are of finished Damascus steel, very strong, and hold their cutting edge. Simple in construction, light, strong and durable.

Feet	Price
6	\$2.00
8	2.25
10	2.50
12	2.85
14	3.25
Handle Slides	.35
Blades	.35
Blade Screws	.15
Poles for 6 foot	.80
Poles for 8 foot	.90
Poles for 10 foot	1.00
Poles for 12 foot	1.10
Poles for 14 foot	1.25



Bastian

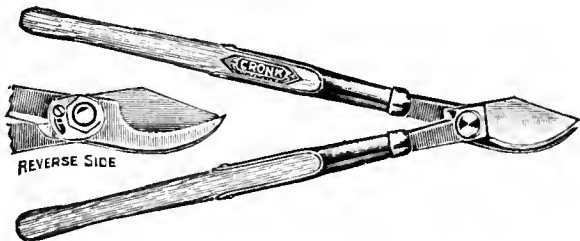
## CRONK'S PRUNERS



No. 9 1/2

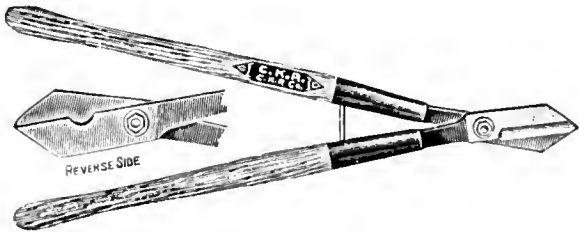
Steel ferrule, notched hook (patented), prevents slipping, gives greater leverage, and makes cutting easier. No. 9 1/2, 22-inch handle. Price, \$1.25. Weight, 3 lbs.; add postage.

## FRESNO PATTERN



Forged from high grade tool steel, finely tempered. Has lock nut and can not work loose. Four-inch strapped steel ferrule and cap.

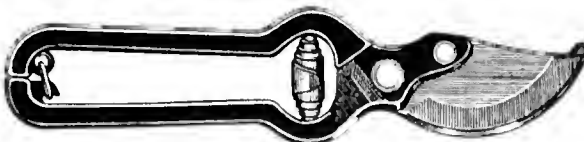
No. 126. 20-inch handle, weight 3 lbs. Price, \$2.15. No. 130. 24-inch handle, weight 4 lbs. Price, 2.35. Add postage.



Tool steel blades, fitted with large bolt and lock washer.

No. 20. 20-inch handle, 4 lbs. Price, \$1.10. Add postage.

## HAND PRUNERS



No. 017. Bright steel tempered blades riveted to handles. 8 1/2 inches overall. Volute springs. Price, 45c. Mailing weight, 2 lbs.; add postage.



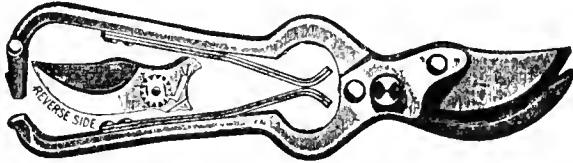
**ORCHARD SUPPLIES (Continued)**

**No. 817.** One piece forged steel blade and handle. Blades polished. Volute springs. Plain nut. **Price, 70c.** Mailing weight, 2 lbs.; add postage.

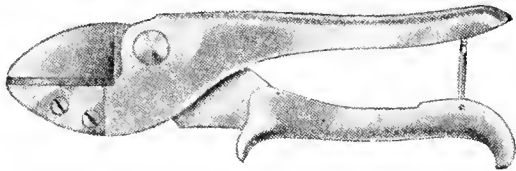
**No. 917-R.** One piece forged steel blade and handle. Blades polished. Volute springs. Ratchet nut. Length overall, 9 inches. **Price, 95c.** Mailing weight, 2 lbs.; add postage.



**No. 117-R-V-S.** Malleable handles, cutlery steel blade tempered and full polished. Ratchet nut. Length overall, 9 inches. Volute springs. **Price, \$1.35.** Mailing weight, 2 lbs.; add postage.



**No. 117-R-B-S.** Malleable handles. Tool steel blade, ratchet nut. Double brass spring. Full polished. Length overall, 9 inches. **Price, \$1.50.** Mailing weight, 2 lbs.; add postage.

**ROLL CUT PRUNER**

The blade is made of high grade steel, taper ground to a knife edge. This pruner is fitted with a spring steel handle lock that folds into the back of the handle when in use. Highly nicked and polished. Eight inches in length. **Price, \$1.90; postpaid, \$2.00.** Springs, each, 30c.



**No. 101.** Length, 6½ inches. Made extra heavy. **Price, 40c; postpaid, 45c.**

**SPRINGS**

Volute Springs for hand pruners. Each, 15c.

Volute Springs for No. 203. Each, 15c.

Springs for No. 101. Each, 15c.

**SAWS****No. 10 TAPERED PRUNER**

The frame is made of high quality spring steel, ⅝ of an inch wide and ¼ in. thick. The blade is 13½ inches long. The handle is fastened to the frame by two brass screws. Blade is adjustable so that the saw will cut at any angle. Length of saw frame, 16 inches. **Price, \$1.50; postpaid, \$1.60.** Extra blades, 25c; postpaid, 35c.

**No. 1 ATKINS TABLE AND PRUNING SAW**

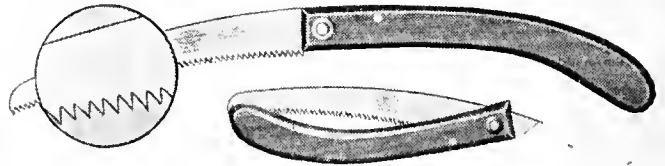
The blade tapers from 2⅝ inches to 1 inch, and is made of the finest steel that has ever been used in saw blades. The handle is of hardwood. Blade is 14 inches long. **Price, \$1.25; postpaid, \$1.35.**

**No. 18 FOLDING**

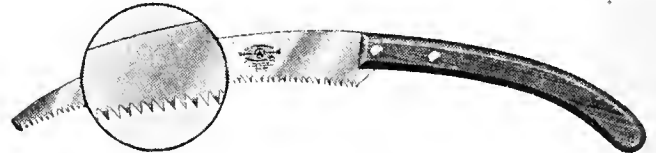
This is similar to the No. 13, except it is supplied with a folding handle. Peg teeth pitched back so as to be right angle at cutting edge. Blade 12 inches long. Plain sanded beech handle. Nickel screw. **Price, \$1.60; postpaid, \$1.70.**

**No. 13 CALIFORNIA PRUNER**

The blade is of the finest quality silver steel which is superior to any other sawsteel. The curved blade makes cutting easy. The handle is of highly finished applewood. Blade is 14 inches long. **Price, \$1.50; postpaid, \$1.60.**

**No. 24 FOLDING**

This curved pruner is made of Atkins silver steel. 6½ point peg tooth, hook back. Highly polished beech handle riveted with one brass rivet. ¼ inch hole punched for belt strap in butt end. Ground 18 gauge. Made in 10-inch only. **Price, \$1.70; postpaid, \$1.80.**

**No. 23 LONG HANDLE**

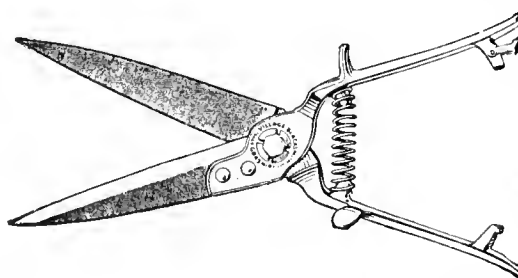
This pruner is a very popular pattern made of silver steel highly polished. Curved blade, 14 inch tooth edge, hook back peg tooth 5½ points per inch draw cut. Blade 2¼ inches wide at handle and ⅝ inch wide at point; beech handle. **Price, \$1.60; postpaid, \$1.70.**

**GRASS SHEARS**

**Price, 75c.** Weight, 1 lb.; add postage.

**No. V2.** Green enameled handle and spring. Full polished edges, with straight shank. **Price, 65c.** Wt. 1 lb.; add postage.

**No. V52.** With trowel shank. Cutlery steel, 6-inch blade. Green enameled spring with full polished handles and cutting edges.

**GRASNIP**

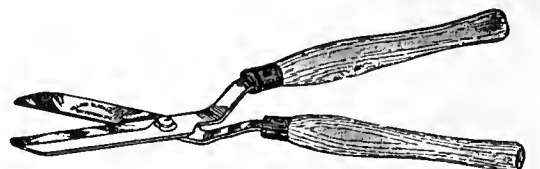
**No. 1.** Full polished, hollow ground, hardened, 6-inch blades, red enameled handles. **Price, \$1.00.** Wt. 2 lbs.; add postage.

**No. 3.** Six-inch polished blades, hollow ground, blue enameled handles. **Price, 75c.** Wt. 2 lbs.; add postage.

**HEDGE SHEARS**

**No. 100.** A malleable tang shear, cutlery steel, serrated edged blades riveted to handle; length of blade cut, 8 inches. **Price, \$2.50.** Weight, 3 lbs.; add postage.

**No. 226.** A light shear, riveted handles, 6-in. blade. **Price, \$1.00.** Wt. 2 lbs.; add postage.



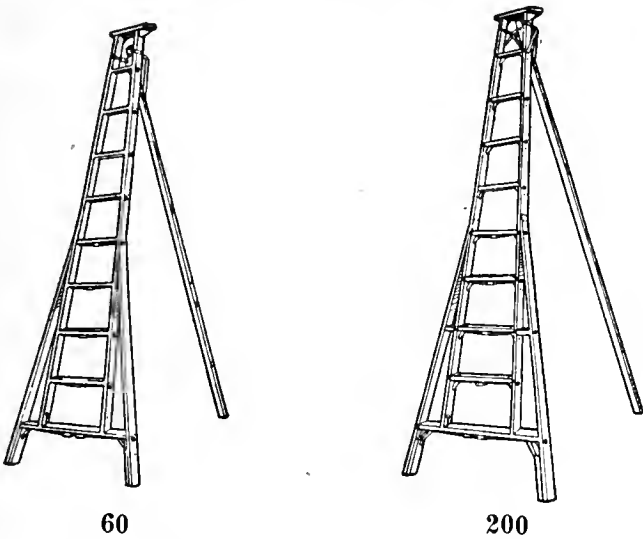
ORCHARD SUPPLIES (Continued)  
GRASS HOOK

Patented offset. Forged cutlery steel. Tempered, ground sharp and whetted. Oil finish maple handle. Price, 75c. Weight, 2 lbs.; add postage.

GRAFTING WAX

¼ lb. 20c, postpaid, 25c; ½ lb. 30c, postpaid, 40c; 1 lb. 50c, postpaid, 60c.

FRUIT LADDERS



These ladders are designed to meet every ladder requirement. Strength is emphasized through accurate scientific construction. Steel head plate riveted to side frame, full rodded with supporting block under steps. Concave metal brace riveted to lower step and sides. Back leg securely riveted to side rails preventing side sway. Steps on No. 200 and No. 65 held in place by galvanized steel step sockets. Riveted construction, no bolts or nails to work loose.

Price, No. 60. 6 to 12 ft., 50c per ft.  
Price, No. 200. 6 to 12 ft., 60c per ft.; 12 to 20 ft., 65c per ft.



PRUNING COMPOUND

For use on trees, shrubbery, etc., to stop bleeding of sap after pruning, and prevent worm-boring. Apply pruning compound at the time pruning is done. Pints, 45c; quarts, 65c; gallon, \$2.00. Mailing wt., 4 lbs. and 12 lbs.; add postage.

LABELS

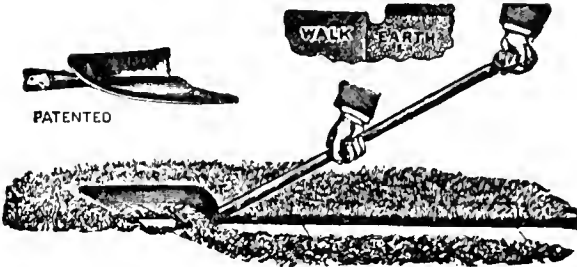


	Size	100	500	1000	Weight per 1000
Pot, painted	4x5/8	\$0.35	\$1.50	\$2.50	5 lbs.
Pot, painted	5x5/8	.35	1.75	3.00	6 lbs.
Pot, painted	6x5/8	.40	2.00	3.50	8 lbs.
Pot, painted	8x5/8	.50	2.25	4.25	10 lbs.
Pot, painted	10x5/8	.75	3.50	6.75	12 lbs.

Add postage.  
Tree Labels, painted, copper wired. Size, 3½x5/8. 100, 35c; 500, \$1.75; 1000, \$3.25. Weight per 1000, 6 lbs.; add postage.



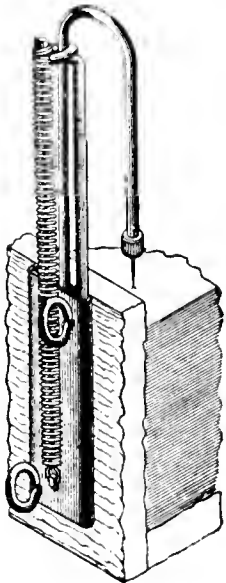
LAWN EDGE TRIMMER



With this tool the rough, straggling, overhanging grass along the edges of the walk can be trimmed in a few minutes. Price, \$1.50. Weight, 3½ lbs.; add postage.

LID PRESS

Special features of the Edgemont Lid Press: The stripper nail box delivering the nails all pointed down; the placing of the lids in position endwise by the clamping yoke; the spring attachment holding the cleat in place. Price, \$10.00. Price subject to change.



PAPER HOLDER

A model of simplicity, handiness and usefulness. Saves paper and increases the speed of the user. An all-purpose holder and a necessity for every fruit packer. Holds from 1 to 1600 wraps. Neat, rust-proof and lasting. Folds up and can be carried in pocket. Price, \$1.00; postpaid, \$1.05. Extra needles, doz. 75c.

RAFFIA

Natural color, for nursery work. 1 oz. 10c; ¼ lb. 30c; ½ lb. 50c; 1 lb. 85c; postpaid.

TREE TANGLEFOOT

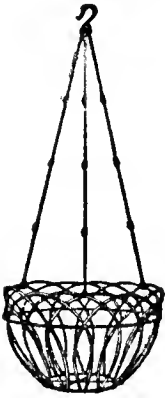


To protect trees against climbing insect pests in a simple, economical and effective way, use Tree Tanglefoot—a sticky substance applied directly to the bark of trees. One application remains sticky three to four months fully exposed to the weather. Easily applied with a wooden paddle. One pound makes a band 8 to 9 feet long. No mixing, always ready for use.

Net. Wt.	Gross Wt.	Price
6 oz.	9 oz.	\$0.40
1 lb.	1¼ lbs.	.65
5 lbs.	5½ lbs.	2.50
Add postage.		

DEADLINE INSECT BARRIER

A sticky compound which is applied to form a barrier around tree trunks, etc., thereby safeguarding trees, nursery stock, vines, roses, etc., from climbing or crawling pests such as ants, certain caterpillars, cutworms, Fullers rose beetle, etc. 6-oz. tin, 35c; 1-lb. tin, 65c. Add postage.



BASKETS

Please note the construction of the basket here shown and you will readily see that the different wires are electrically welded together, thus forming a solid construction, making all parts equally durable, and thus making it impossible for it to fall apart.

14-inch, 40c; ½ doz. \$2.25; doz. \$4.00; wt. 10 lbs.  
Add postage.

CELERY TAPE

Put up in spools of 1,000 yards. Color, red and green. Price, \$4.00. Weight, 3¾ lbs.; add postage.

CORN KNIFE



No. 6. Length of blade, 15 inches. Width at end, 3 inches. Length over all, 21½ inches. Price, 75c. Weight, 2 lbs.; add postage.

Ask for prices on all Orchard and Growers' Supplies, as these quotations are not guaranteed.

POULTRY DEPARTMENT

QUEEN INCUBATORS

Provides uniform heat over egg chamber. The Queen is doubly insulated. First, double walls of California redwood is used, thus forming a dead air space. Second, corrugated strawboard is used between the wooden walls. Boiler and radiator of the Queen heating system is made of copper (not copperized tin).

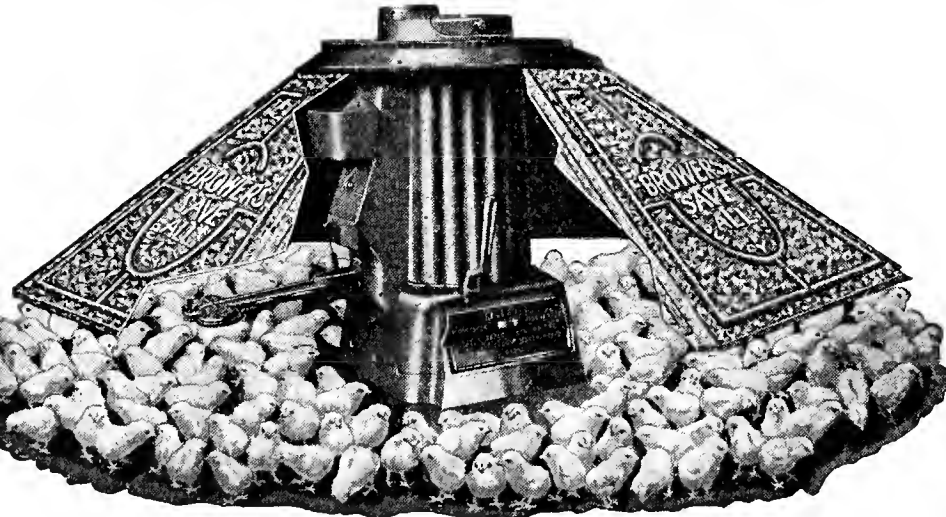


No. 3. 180-egg size.....\$25.00    No. 5. 400-egg size.....\$35.00  
No. 4. 275-egg size..... 30.00    No. 25. 600-egg size..... 50.00

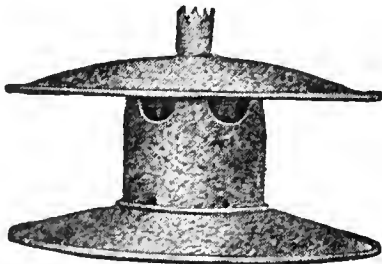
STYLE K INCUBATOR

No. 20. 70 egg size.....\$10.00  
No. 21. 130-egg size..... 15.00  
Style K Incubators are constructed of double wall redwood. The top of the machine is relined with insulation. The heater and pipes are made of aluminoid.

Big Chief Coal Burning Brooder



World's Greatest Coal-Burning Brooder. A masterpiece of engineering achievement. A mechanical marvel that operates with the efficiency of a special watchman. The 1936 Big Chief is built for one purpose only—to raise chicks. Burns hard coal or soft coal.



PUTNAM BROODER HEATER.

You can make your own brooder for accommodating 25 to 60 chicks. Heater requires filling but once a week. Uses less than a gallon of oil a month. Heat radiates from above onto backs of chicks. Can be operated anywhere. Directions for making brooder enclosed. Price, \$4.75. Weight, 5 lbs.; add postage.

SAFE AND EASY TO OPERATE

The Big Chief is a marvel of convenience and accessibility. When you want to refuel it, you simply open the large fuel door and pour the coal directly from the scuttle. The large Hexagon Canopy is heavily ribbed and has the tilting feature which enables the caretaker to get to any part under the canopy without trouble. Has adjustable holes in the top which help to regulate temperature. Temperature controlled by the patented by-pass principle which provides for a constant circulation of air.

SPECIAL FEATURES OF BIG CHIEF

**By-pass Damper and Thermostat Draft Control.** Regulates fire and temperature. Keeps air fresh and pure.  
**Cast-iron Humidifier Pan.** Bolted under the canopy instead of at the bottom of the ash pit.  
**Canopy Has Special Adjustable Temperature Control.** Moving the canopy to one side or the other allows absolute control of room circulation.  
**Large Oversized Fluted Barrel.** Doubles the heat radiating surface.  
**Side Dump, Rocker Grates.** Lateral motion prevents possibility of hot ashes or clinkers falling out in front.  
**Extra Large Ash Pit.** Bottom of ash pit raised 2 inches from the floor. Ventilated base allows air to pass between floor and base bottom.  
**Tight-fitting Doors.** Large fuel and ash pit door fits with unusual precision. Holds fire 24 hours or longer.

	Diam. of Coal		Weight		Price
	Canopy	Cap'y	Pipe	Grate	
No. 982	56 in.	1000	5 in.	11 in.	52 lbs. 147 lbs. \$27.50

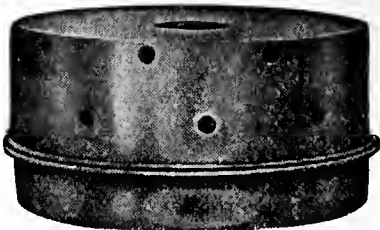
PIPES, ELBOWS

No pipes or elbows furnished with stoves. Order as many lengths of pipe as you need, also elbow if needed, and add to price of stove. When ordering pipe, caps, elbows or roof plates, be careful and specify exact size wanted. Our 3 to 4 inch pipe is 3 inches at one end and 4 at the other. This rule applies to other sizes of pipes.

3-inch pipe .....	25c	3-inch elbow .....	30c
3 to 4-inch pipe.....	30c	4-inch elbow .....	35c
4-inch pipe .....	30c	5-inch elbow .....	35c
4 to 5-inch pipe.....	35c	6-inch elbow .....	40c
5-inch pipe .....	35c	3-inch cap .....	60c
5 to 6-inch pipe.....	35c	4-inch cap .....	60c
3-inch roof plates.....	65c	5-inch cap .....	75c
4-inch roof plates.....	65c	6-inch cap .....	75c
5-inch roof plates.....	75c		

LITTLE PUTNAM STOVE

Burns 3 to 4 weeks without re-filling or other attention. Wick never needs trimming. For heating water it can be used with a can, crock or fountain. Non-explosive—if tipped over or buried in litter it will go out. Price, \$2.00. Weight, 4 lbs.; add postage.



Quotations on Incubators and Brooders not guaranteed.



“Save-all” Automatic Oil Brooders

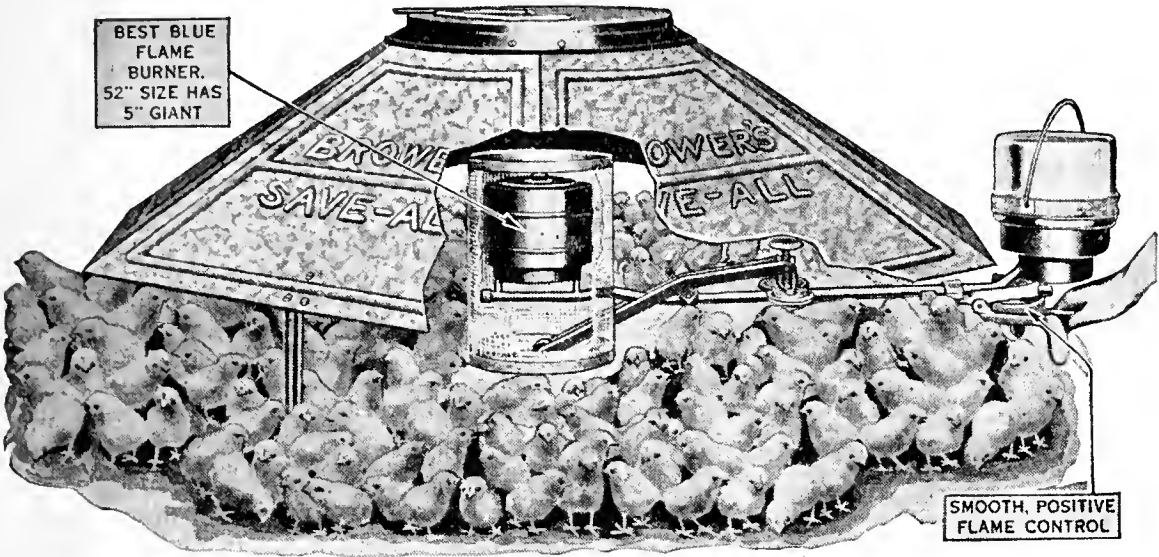
Approved after test by Poultry Tribune Experimental Farm. These brooders are made just as simple as it is possible to make an oil brooder, yet every chick-raising feature has been incorporated. They will brood your chicks safely, with less loss and at less cost. Burn kerosene without fumes or smoke. Every drop of oil is utilized, reducing fuel cost. Provided with visible oil supply, special screen guard around burner, one-piece feed pipe and galvanized steel hexagon canopy with adjustable damper at top to provide ventilation. Automatic

model is perfectly controlled by thermostat which regulates flow of oil to burner and maintains proper temperature under canopy at all times.

Automatic Model with Thermostat Control

	Canopy	Capacity	Weight	Price
No. 235 .....	35 in.	250	31 lbs.	\$12.00
No. 245 .....	45 in.	500	42 lbs.	13.50
No. 255 .....	55 in.	1000	47 lbs.	15.00

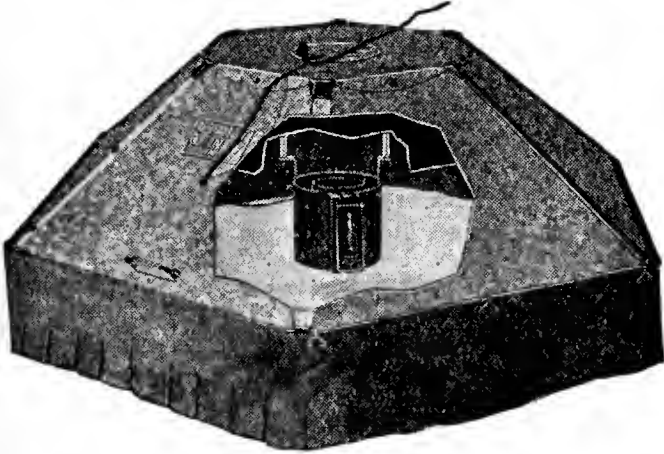
Add postage.



OIL BURNING BROODERS

The AIR BLAST will keep your brooder house warm in any weather. By partitioning your brooder house with wire netting, you can have chicks of all ages in your brooder house at one time. So perfect is the Automatic Thermostat Control that it can be turned down so that the flame is no larger than you would burn in a house lamp, or it can be turned up to produce sufficient heat to keep the brooder house comfortable in zero weather. Stove pipe not furnished. Order elbow and 4-inch stove pipe if wanted. Price, Brooder, \$20.00. Elbow, 25c. Stove Pipe, 25c. Extra 5-ft. lengths of copper tubing to go between oil container and float valves with couplings, 75c each.

ELECTRIC BROODERS



The Sol-Hot Electric Brooder Thermostat has the thermometer and temperature control mounted together. The control is magnetic, and gives instantaneous make and break of circuit. The consumption ranges from 250 watts on the 34 in. up to 500 watts consumption on the 64 in. canopy when turned on. This means quick recovery from heat losses under the brooder.

	Canopy	Weight	Price
No. 2 .....	44 in.	46 lbs.	\$15.00
No. 3 .....	54 in.	53 lbs.	17.50



TURKEY BELLS

No. 305 Turkeys Bells. Made of genuine bell metal, finely polished and fitted with good leather straps and buckles. Enables the flock to be easily located and is a fine protection against preying animals and hawks.

Diameter of bell, 1 3/4 in. Weight, 1 1/2 lbs. Each, 30c; postpaid, 40c.

NOTICE

Thermometers and all glassware are carefully packed, but safe delivery not guaranteed and we will not be responsible for breakage. To insure safety send insurance fee with your remittance.

DAIRY THERMOMETERS

Glass Floating

No. 5700 Churn Thermometer. Glass cylinder with enclosed paper scale; 10 in. long; mercury filled tube; weighted to float upright. Range 10° to 110° F. in 1° graduations. Best grade. Price, \$2.00; postpaid, \$2.10.

No. 5701 Pasteurizing Thermometer. Glass cylinder, hand written paper scale, 2° graduation, accurate within one division of the scale, mercury tube. Approximate scale range, 30° to 220° F., 10 inches. Weighted to float upright. Price, \$2.00; postpaid, \$2.10.

No. 5702 Churn Thermometer. Glass cylinder with enclosed paper scale; 10 in. long; mercury filled tube; weighted to float upright. Range 10° to 110° F. in 1° graduations. Highest quality imported thermometer of this type obtainable. Price, 90c; postpaid, \$1.00.



No. 5700



No. 5701



No. 5715

No. 5703 Pasteurizing Thermometer. Glass cylinder, hand written paper scale; 2° graduation, accurate within one division of the scale; mercury tube; approximate scale range 30° to 220° F.; 10 inches; weighted to float upright. Highest quality imported thermometer of this type obtainable. Price, \$1.15; postpaid, \$1.25.

Please note that the description of 5700 and 5702 is exactly alike. This is also true regarding 5701 and 5703. Then note the difference in price and that the one is imported and the other is American made.

No. 5715. All glass floating Churn and Pasteurizing Thermometer. Approximate scale range, 0° to 150°. Length, 8 in. Mercury filled tube. Best imported. Price, 50c; postpaid, 60c.

FLANGED METAL SCALE



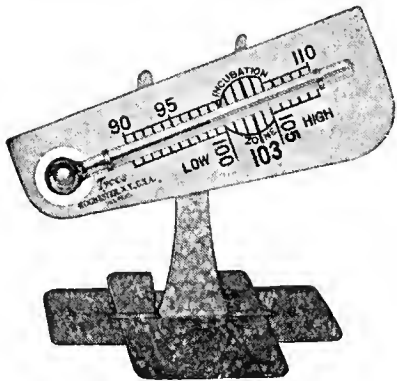
No. 5705

No. 5705. Flanged metal scale Churn and Pasteurizing. Ten-inch electro silver plated scale, gold plated straps and screws, magnifying mercury filled tube, sliding guard; approximate scale range, zero to 220° F., 10 inches. Selected common grade. Price, \$2.00; postpaid, \$2.10.



No. 5740S

No. 5740S. Selected ordinary grade. Brass scale with engraved figures and graduations, sliding bulb guard; white back, permacolor filled tube; approximate temperature range 20° to 220° F.; length, 8 in. Price, \$1.00; postpaid, \$1.10.



**INCUBATOR THERMOMETERS**

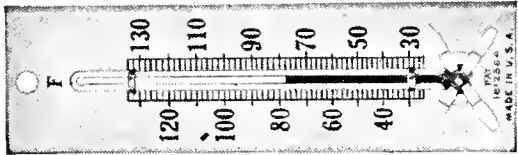
No. 5776. 4-inch white enameled metal scale with black figures, plain glass tube. Price, \$1.00; postpaid, \$1.10.

No. 5783, Certified. 4-inch black oxidized metal scale with white-filled figures. Price, \$1.25; postpaid, \$1.35.

When used with Stand

**BROODER THERMOMETERS**

No. 5794S. Ordinary grade, white lithographed scale, 4½ in. long, black figures, 10 to 140°. Price, 60c; postpaid, 70c.



No. 5794S

**GREENHOUSE THERMOMETERS**



No. 5400S

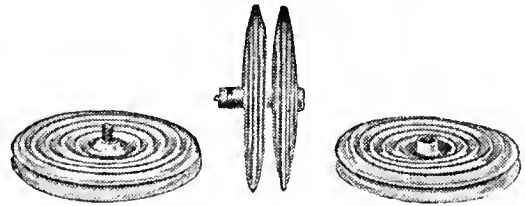
No. 5400S. Best grade, 10 inches, black japanned, heavy tin case. Spirit. Tube filled with red permacolor (non-fading and easy reading) black oxidized brass scale with white filled figures and graduations. Price, \$1.75; postpaid, \$1.85.



No. 5420S

No. 5420S. Selected grade, 8 inches, black japanned tin case. Spirit. Same as 5400S, but selected grade instead of best grade. Price, \$1.10; postpaid, \$1.20.

**WAFER THERMOSTATS**



Wafer Thermostats are made of two round concave discs, sealed together at the outer edge. The cavity between them is filled with a volatile liquid which is sensitive to changes in temperature. 3, 4 and 5-inch sizes with thread connections on lower side and beveled place in upper side. 3-inch, 35c, postpaid, 45c; 4-inch, 50c, postpaid, 60c; 5-inch, 60c, postpaid, 70c.

**"TYCOS" INCUBATOR HYGROMETER**

"Tycos" Incubator Hygrometer is not a regulator of moisture, but is an indicator of conditions, so that if not correct, they may be made so. Each, \$2.00; postpaid, \$2.10. Hygrometer wicks, each, 25c.

We pack thermometers and all glassware in as safe a manner as possible, but will not be responsible for their safe delivery, owing to the great risk of breakage.

**HYDROMETER**



No. P7244. Salt Scale Salometer. Range 0 to 100. Graduation 1-60% F. Length 11 inches. Price, \$1.25; postpaid, \$1.35.

**EGG TESTER**



It is designed for use on an ordinary hand lamp. In a dark room the light will be strong enough to penetrate the shell and illuminate the interior of the egg. Price, 30c. Weight, ¾ lb.; add postage.

**LAMPS, BROODER**

No. 8 Brooder Lamp. The Inland Safety Brooder Lamp requires no chimney; never smokes, burns a steady flame. Top of lamp is made to hold water, and it is essential to keep water there owing to heat being reflected back upon the lamp. Weight, 2 lbs. Height of bowl, 4¼ inches; diameter, 7¼ inches. Price, complete with burner and wick, \$2.00; postpaid, \$2.10.

**LAMPS, INCUBATOR**

	Burner	Hgt. Bowl Inches	Diam. Bowl Inches	Price Postpaid
No. 2	2	2½	7	\$1.90
No. 3	3	3¼	8¼	2.15
No. 4	32	3¼	8¼	2.15

**LAMP BOWLS**

For 3 Burner.....\$1.25 For 2 Burner.....\$1.35  
Add 10c for postage on lamps and lamp bowls.  
If chimney wanted for any of the above, add 50c.

**LAMP BURNERS**

No. 2 Sunburner. Price, 60c; postpaid, 65c.  
No. 3 Sunburner. Price, 75c; postpaid, 80c.  
No. 1 Zenith. No chimney, ¾ inch wick. 60c; postpaid, 65c.  
No. 2 Zenith. No chimney, 1 inch wick. 75c; postpaid, 80c.  
No. 32. ¾ in. chimney, 1 inch wick. Price, 50c; postpaid, 55c.

**LAMP CHIMNEYS**

Chimney, 2¼x5 inches, for No. 2 burners. 40c; postpaid, 50c.  
Chimney, 3¼x6 inches, for No. 3 burners. 50c; postpaid, 60c.  
Chimney, 3¼x3¼ in., for No. 32 burner. 50c; postpaid, 60c.

**LAMP COLLARS**

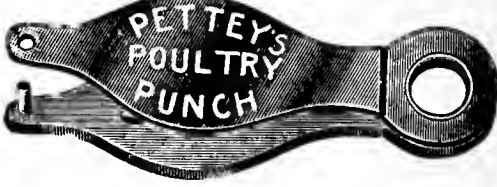
For No. 2 burners, 10c each. For No. 3 burners, 15c each.

**LAMP WICKS**

No. 1, 2, 3, 5c each; 50c dozen. Felt No. 2-3, 10c each.  
Wicks for Putnam Stoves, 3 for 10c.  
Wicks and Holders for Putnam Stoves. Each, 15c.  
Wicks for Putnam Brooders. Each, 5c.  
Wicks and Holders for Putnam Brooders. Each, 20c.  
Asbestos Wick, size 10½x1½ and 15x1½. Each, 25c.  
Kerogas Wicks for oil stove No. 20, 3⅝x3½. 50c; postpaid, 60c.  
No. 30. 4¾x3½. Price, 75c; postpaid, 85c.  
Pilot Wick, 20c.

**PETTY'S POULTRY PUNCH**

Latest, most convenient Poultry Punch; will not clog. Thoroughly practical.  
Postpaid, 25c.



**LEG BANDS**



**CHAMPION**

This aluminum band is made in one piece, adjustable to fit any fowl. Held by double lock, cannot come off.  
25 Bands numbered 1 to 25, 25c. 50 Bands, numbered 1 to 50, 40c. 100 Bands, numbered 1 to 100, 75c.

TURKEY BANDS

25 Bands, numbered 1 to 25, 35c. Sold only in full packages.



SPIRAL

Made like a key ring, easy to put on. Birds identified easily on account of the different colors. Carried in white, green, black and pink. Pigeon and chick bands and bands for small breeds, 12, 10c; 25, 20c; 50, 30c; 100, 50c. Bands for large breeds, 12, 15c; 25, 25c; 50, 40c; 100, 70c.

LANDSLOWNE CAPON SETS



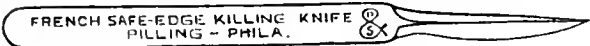
Landsdowne Automatic Testicle Remover is easy to use. The grasping loops are exactly same principle as the Miles Remover, which has been in use for fifty years; but the patent feature has made it perfect as to simplicity of the operation and to prevent making slips. Price, \$5.00; postpaid, \$5.10.

NEW PHILADELPHIA CAPON SET



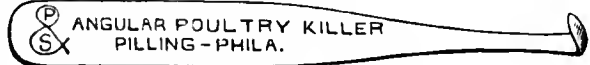
Consists of a knife for making the incision; the spreader for holding sides open; sharp hook for piercing skin; the Landsdowne Remover for removing the testicles. Cords with hooks for holding the bird. Cup forceps for removing any foreign matter. Price, \$3.75; postpaid, \$3.85.

SAFE EDGE KILLING KNIFE



Exactly same as French Killer except cut on one side only. Price, 75c; postpaid, 80c.

PILLING ANGULAR KILLING KNIFE



By simply turning the wrist the jugular vein and spinal cord are cut, thereby bleeding the fowl, allowing the feathers to be removed without using water. Price, 75c; postpaid, 80c.

NEST EGGS

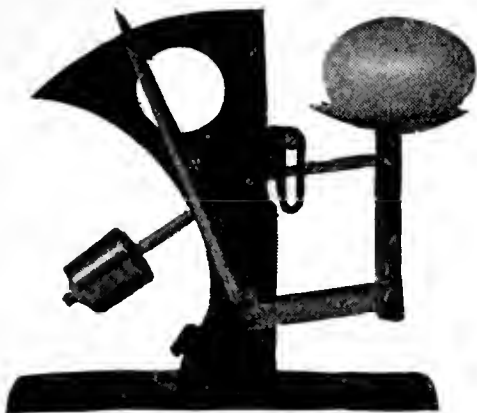
Porcelain. Price, 3 for 10c; 1/2 doz. 15c; doz. 30c. Mailing wt., 2 lbs. per dozen; add postage.

SANITARY HENS' NEST

Ten compartments. Price, \$7.50.

WIRE HENS' NESTS

These nests are made from heavy japanned steel wire. They are intended to be fastened to the wall with screws or screw hooks. Size, 14 inches in diameter, 1 1/4-inch mesh. Each, 15c; doz. \$1.50. Weight, 3/4 lb. each; add postage.



EGG SCALES

The Mascot. Automatic, accurate. Very satisfactory to users. Each, \$1.50; postpaid, \$1.60.

HATCHING EGG BOXES

These boxes are specially designed to withstand the rough usage and to afford complete protection to the eggs. Compare the weight of these boxes with others that are quoted at a lower figure, and you will be enabled to judge of their respective qualities.

	Each	1/2 Doz.	Doz.	Wt. Doz.
15 eggs.....	\$0.35	\$1.80	\$3.50	20 lbs.
30 eggs.....	.50	2.70	5.25	30 lbs.
50 eggs.....	.60	3.50	6.75	40 lbs.

Add postage.

EGG CASES

Each, knockdown, 30c; 1/2 doz. \$1.70; doz. \$3.00; 25, \$6.25; 50, \$12.50; 100, \$24.00. Weight, each, 7 lbs.; add postage. Egg Case with fillers. Each, 60c. Weight, 12 lbs.; add postage. Egg Case, 12 doz. capacity, 90c. Weight, 7 lbs.; add postage.

EGG CASE FILLERS

Pasteboard Filler for 30-doz. case, 30c. Wt. 6 lbs.; add postage. Pasteboard Fillers, per case (for 12 30-dozen cases), \$3.00. Wt. of case, 55 lbs.; add postage.

EGG BOXES



Paper. Intended for use in delivering eggs to private families. If you have a select egg trade you should use this box. 2 doz. 25c. Mailing wt. 4 lbs.; add postage.

At purchaser's expense: Pkg. of 250, \$2.00; 500, \$3.75; 1000, \$7.00. Weight of 125, 15 lbs.; add postage.

LIVE CHICK BOXES

These shipping boxes are made of high-test quality corrugated paper, and are so constructed as to afford the greatest strength and stiffness, without unnecessary bulk of weight. Capacity Size Each 1/2 Doz. Doz. Wt. Doz.  
25 9x12x5 1/2 20c \$1.15 \$2.25 14 lbs.  
50 18x12x5 1/2 25c 1.50 2.75 18 lbs.  
100 22x18x5 1/2 35c 2.00 3.75 32 lbs.  
Staples, 100, 60c; 500, 90c; 1000, \$7.50; prepaid. Add postage. Prices subject to change.

SHIPPING COOPS

Inland. All wood, neat, very light, but strong. Poultry raisers selling poultry at fancy prices should always use these coops.

	Each	1/2 Doz.	Doz.	Wt. Ea.
No. 1. 10x20x20.....	10c	\$0.50	\$1.00	6 lbs.
No. 2. 12x24x40.....	20c	1.00	2.00	10 lbs.
No. 3. 20x24x20.....	30c	1.15	3.00	15 lbs.

Add postage.

FEED HOPPERS



Best quality galvanized steel. The curved bottom keeps the feed within easy reach of the birds, and the taper shape of the hopper prevents the feed from clogging.

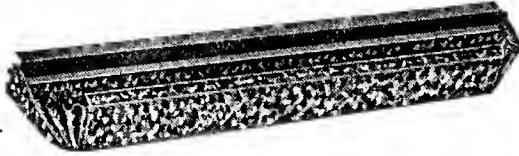
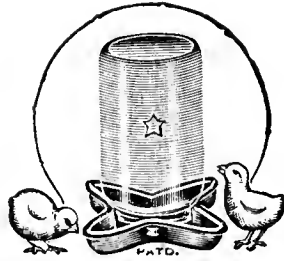
	Width	Capacity	Weight	Price
No. 35.....	8 1/2 in.	10 qts.	6 lbs.	\$0.75
No. 36.....	12 in.	14 qts.	7 lbs.	1.00
No. 37.....	24 in.	32 qts.	10 lbs.	1.50



## CHICK FEEDERS

Fits any Mason jar. Made of solid piece of rust resisting metal. Glass jars not furnished.

No. 32. 3 for 25c; postpaid, 35c.

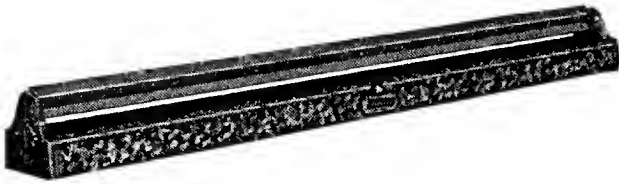


The trough is stamped from one piece of galvanized iron and is watertight. Nos. 71 and 72 are made from galvanized steel, but No. 75 is made from charcoal tin and is ideal for feeding milk.

No. 71. 16 inches. Weight 1 lb. ....\$0.20

No. 72. 23 inches. Weight 1½ lbs. .... .30

Add postage.



The trough has a wide inturned lip that prevents waste of feed. Ends are high, perfectly smooth and strong. The Z-shaped steel reel may be adjusted to three positions according to the size of the chicks. The revolving reel prevents roosting and is bright red. Troughs made of galvanized steel.

No. 40. 18 inches. Weight 1½ lbs. ....\$0.35

No. 41. 24 inches. Weight 2 lbs. .... .40

No. 42. 36 inches. Weight 3 lbs. .... .55

Add postage.

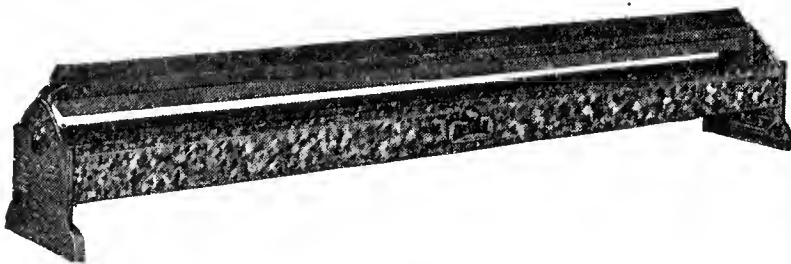


This very popular feeder is furnished with a four-blade metal revolving reel which prevents roosting. The strong wire legs make it possible to adjust the feeder to any size chicks from day-old to broilers. Made of heavy galvanized steel with inturned lip to prevent loss of feed. Legs and reel bright red.

No. 410. 24 inches. Weight 3 lbs. ....\$0.60

No. 420. 36 inches. Weight 4 lbs. .... .75

Add postage.



This feeder is so constructed as to provide the most sanitary feeding conditions for chicks ranging from day-old to broilers. Entirely free from sharp edges, the outer edges of the ends being rolled and perfectly smooth. Furnished with a four-blade reel which revolves on case-hardened pins. The trough has wide inturned lips to prevent loss of feed. It is watertight. Made of the highest quality materials throughout. Both reel and legs adjustable to any desired height.

No. 142. 36 inches. Price, \$1.00. Weight, 4 lbs.; add postage.

## CLOVER LEAF STEEL SHIPPING COOP

It is made of galvanized steel bars and wire, and will not rust. It has a narrow mesh on top, which eliminates the possibility of the poultry poking their heads through and being killed. Self locking. Side door on top. Weighs but 24 pounds and never gets heavier. Size 27x41x14 inches high. Price, \$4.50.

## INLAND GRIT AND SHELL BOX

The Inland Sanitary Grit and Shell Box works a material saving in grit, shell, bone, charcoal or poultry feeds. They are thoroughly practical, self-feeding, made of heavy galvanized iron. They are provided with a cover or lid, which protects the contents, and being placed at an angle furnishes a slanting top, preventing the fowls from roosting on the top of the box. Length of three compartments, 8½ inches. Price, 90c. Weight 4 lbs.; add postage.



## FRUIT JAR FOUNTAINS

This pan or saucer is made of high quality, rust resisting galvanized steel. Fruit jar is attached by heavy steel clamp.

The correct drinking space of this pan has made it popular from the standpoint of sanitation. There is ample space for the chicks to drink, yet not enough for them to get into the water.

No. 20. 3 for 25c. Dozen weighs 4 lbs.; add postage.



## DOUBLE WALL FOUNTAINS

Made with DOUBLE WALLS which keep the water cool in summer and retard freezing in winter. Operates on the vacuum principle, no corks or floats, and the water automatically remains at the proper level in the pan.

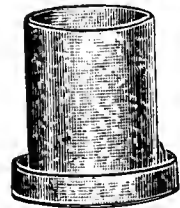
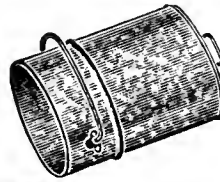
The top section telescopes snugly over the water container which is securely soldered to the pan. The top or outer section is also fastened securely so that the fountain may be carried by the handle without danger of spilling.

No. 269. 3 gal., 8 lbs., \$1.85. No. 270. 5 gal., 12 lbs., \$2.40 Add postage.

## THE MONARCH

Made of prime tight coated galvanized steel, with DOUBLE WALLS, which keep the water cool in summer and retard freezing in winter. The outer cover telescopes snugly over the water container, and is easily removed for filling and cleaning. Operates on the vacuum principle and the water automatically remains at the proper level in the drinking pan. Has three convenient carrying handles, one on the inner container, a top handle to use when filled, and one to use when the outer section is inverted so that water may be carried in both containers.

No. 283. 3 gals., 8 lbs., \$2.40. No. 285. 5 gals., 12 lbs., \$3.00 Add postage.



SHOWING  
METHOD  
OF  
FILLING

## SINGLE WALL FOUNTAINS

Made of heavy galvanized iron. The flat top is recessed so the handle will lay down flush, and allow the tank to set level while filling. The pan is extra deep, but narrow to prevent the chicks from getting into the water.

No. 66. 1 gal., 3 lbs. ....60c

No. 67. 2 gals., 4 lbs. ....90c

Add postage.



## SINGLE WALL FOUNTAIN

No. 15. A heavy galvanized fountain that will give years of good service. Flow of water is controlled by copper float, giving a never-failing supply of fresh clean water. Made of heavy galvanized steel. Pointed top to prevent roosting. Dimensions: 13 in. across top, 11 in. deep, 19 in. high over all. 5 gallons, 10 lbs., \$3.00. Add postage.

BANNER FOUNTAIN

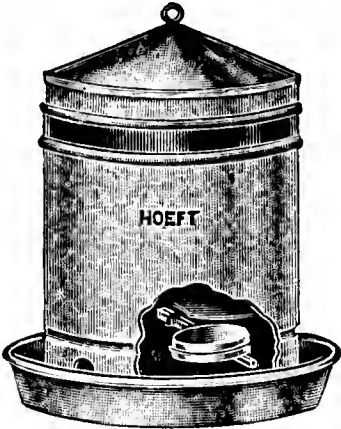
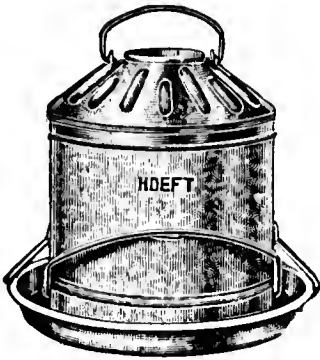
The Banner Fountain, a two piece bottom fill waterer made of prime galvanized steel. Filled by inverting the water container.

The body is held securely to the pan by two metal clips. Has a top handle to carry or move the fountain when filled, and a heavy wire ball to carry water when inverted the same as a pail.

- No. 276. 2 gals., 4 lbs., \$1.25
- No. 277. 3 gals., 5 lbs., \$1.50
- Add postage.

**Champion Automatic Valve Float Fountain.** Made of prime galvanized steel, with 13-in. drinking pan. A brass valve with copper float is located in the bottom of the tank and permits the water to flow into the pan as required. The fountain is easily filled by lifting off the cone top cover and the inside is readily kept clean and wholesome. Smooth cone top gives the birds no foothold, prevents roosting and contamination of the water in the pan.

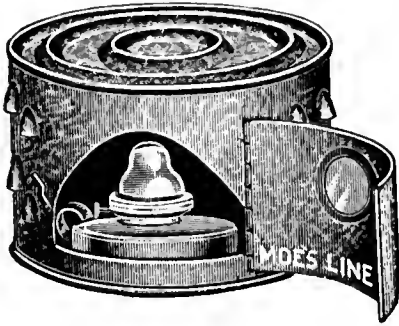
- No. 343. 3 gal., 8 lbs.....\$2.00
- No. 345. 5 gal., 9 lbs..... 3.50
- Add postage.



FOUNTAIN HEATER

Solves the problem of a uniform supply of fresh water at all times, no matter how cold the weather. Can be used with all styles of fountains and makes an ideal heater fountain at a low price.

Price, \$2.00. Weight, 5 lbs.  
Add postage.



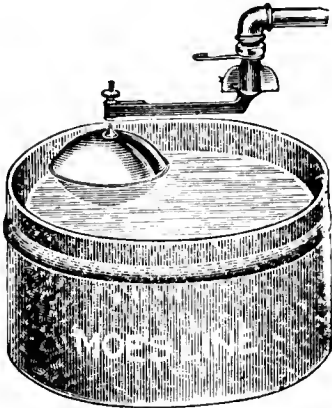
FLOAT VALVE

A Perfect Automatic Valve which regulates the flow of water. The valve is accurately machined and made entirely of brass so it cannot rust or clog up, and the float is of heavy copper.

The valve is threaded for 1/4 in. iron pipe and can be connected to any pressure system, or to a tank or barrel, and provides a constant automatic supply of drinking water without waste or effort.

A wire hook holds the float up while the dish is removed for cleaning, thus shutting off the water.

Price, each, \$1.00; postpaid, \$1.10.



POULTRY TONICS

Conkey's Poultry Tonic fills the egg basket in spite of the weather. It is not a food, but a tonic to be mixed with the regular feed during seasons when fowls get sluggish and want to loaf instead of lay.

	Price	Net Weight	Gross Weight
Package .....	\$ .30	1 1/2 lbs.	1 3/4 lbs.
Package .....	.60	3 3/4 lbs.	3 1/2 lbs.
Package .....	1.25	7 lbs.	7 1/2 lbs.
Pail .....	2.25	12 lbs.	14 1/2 lbs.
Pail .....	3.75	25 lbs.	29 lbs.

Add postage.

EPSOM SALTS. 4 lbs. 25c; add postage.

CONKEY'S Y. O.

By supplying needed vitamins, cod liver oil and yeast, banish weakness and other chick troubles, promote rapid and vigorous growth and keep hens in the pink of condition, able to produce a heavy lay.

	Price	Net Weight	Gross Weight
Package .....	\$ .55	1 lb.	1 1/4 lbs.
Package .....	1.00	2 lbs.	2 3/4 lbs.

Add postage.

COD LIVER OIL

Recent studies show that certain vitamins are necessary for proper growth, body maintenance, and reproduction. Vitamin "A" is a growth producing vitamin and is also essential for the maintenance of disease resistance.

Vitamin "B" is also necessary for proper growth. A lack of it promptly prevents growth.

Vitamin "D" is the one which prevents or cures leg-weakness or "rickets" in young chicks.

Gallon, \$1.00, if customer furnishes container. Put up in jugs: \$1.10 per gal. if Inland Seed Co. furnishes container. Not mailable.

LICE KILLERS AND DISINFECTANTS

LICE LIQUID

—is for painting roosts, fittings, the inside of house, nest boxes and wherever mites congregate. Cans, qt. 60c; 2 qt. 90c; gal. \$1.50. Not mailable. Express or freight extra.

TOBACCO DUST

For use in dust baths or nests. A cheap and effective exterminator of lice. Lb. 15c; 2 lbs. 25c; 10 lbs. \$1.00; 25 lbs. \$2.25; 50 lbs. \$4.25; 100 lbs. \$7.50. Add postage. In sealed packages, 2 lbs. 30c; 10 lbs. \$1.25. Add postage.



CARBOLA

Carbola is a white paint and disinfectant combined in powder form. It is ready for use as soon as it is mixed with water. Does not flake or peel off. One pound covers 100 square feet. Price, 10 lbs. \$1.50; 50 lbs. \$6.00; add postage.

REVENGE

Put Revenge in the dustbox. Its reputation as an absolutely safe vermin destroyer convinces that it not only instantly kills but keeps poultry free from both HEAD and BODY lice. It sticks to the fowl—IT WON'T DUST OFF. 3-lb. can, 75c. Mailing weight, 4 lbs.; add postage.

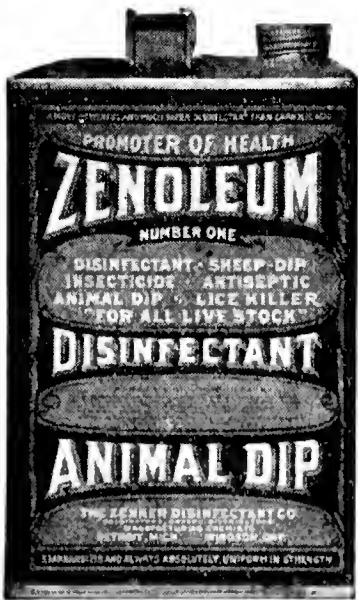
**LICE POWDER** is for dusting hens, nests, growing chicks and wherever body lice exist. 1-lb. package, 25c; 2 1/2-lb. package, 50c. Mailing weight, 2 and 3 lbs.; add postage.

ZENOLEUM

One gallon of Zenoleum makes 100 gallons of positive disinfectant. Kills vermin, cures skin trouble. Invaluable as a remedy for diseases of poultry and all livestock. Kills lice and cures mange. Disinfects incubators.

Pint, 50c; qt. 75c; 1/2 gal. \$1.25; gallon, \$2.00. Not mailable. Express or freight extra.

Zenoleum is one of the very best dips for all kinds of livestock.



"Black Leaf 40" "painted" full strength (1 oz. to 12 or 15 feet of roost) on the top sides of the roosts before fowls perch for the night, kills body-lice. Fumes permeate the feathers. 1-oz. bottle, 35c; 5- oz. bottle, \$1.00; 1-lb. bottle, \$2.25; 2-lb. tin, \$3.25; 10-lb. tin, \$10.60. Add postage.

BUHACH

1 1/2-oz. pkg. 25c; 3-oz. pkg. 50c; 6-oz. pkg. 75c; 12-oz. pkg. \$1.25. Add postage.

POULTRY REMEDIES



**RELIABLE POWDER.** Formerly called Roup Remedy. When birds sneeze, froth in eyes, or run at nose put Conkey's Reliable Powder in the drinking water. Sick birds doctor themselves and others are protected from catching the disease. Better still, always at the first sign of "roupy weather", place Reliable Powder in fountains—it's a great preventive.

Packages, 25c, 50c, \$1.00; postpaid, 30c, 55c, \$1.10

**DIA-TABS.** Formerly called White Diarrhea. As a preventive of bowel troubles, white diarrhea and other digestive complaints, it has given great satisfaction for many years. Once started, diarrhetic conditions often sweep away the whole hatch. This remedy is also recommended as a preventive measure and for treatment of coccidiosis. Packages, 25c, 50c, \$1.00; postpaid, 30c, 55c, \$1.10.



**GERMOZONE**  
*Keeps Chickens Healthy*

**GERMOZONE** is especially valuable in preventing and controlling the diarrhoeas and digestive disorders of little chicks and grown fowls. Use it for bowel complaint in little chicks; for cholera, roup, and other diseases among the older fowls. Put up in bottles.

4 oz. 40c; postpaid, 45c.  
12 oz. 75c; postpaid, 85c.

32 oz. \$1.50; postpaid, \$1.65. ½ gallon, \$2.50; 1 gallon, \$4.50. Half gallon and gallons put up in glass jugs. Not mailable.

WALKO TABLETS

Is highly recommended for colds, roup, etc. Dissolve in water and follow the directions on package. 100 to box. Price, 50c. Postpaid, 55c.



NON-PIKK

—will, if used in time, prevent toe-picking, rump-picking, feather-pulling. It is effective. Just treat the birds and return them to their pens—one taste and they never forget. At the first sign of toe-picking, etc., apply a small amount on the wings and tails of several birds in each pen.

1 oz. 30c; postpaid, 35c. ¼ lb. 65c; postpaid, 70c. ½ lbs. \$1.00; postpaid, \$1.10.

"UNITED" STEEL FEEDING BATTERY

For fattening poultry and for economy in space there is not any feeding device equal to the United States Feeding Batteries. Made in different sizes. Ask for description.



POULTRY SCRAPER

No. 200. Price, \$1.25. Mailing weight, 6 lbs.  
No. 300. Price, \$1.00. Mailing weight, 4 lbs. Add postage.  
An excellent tool for scraping dropping boards, brooder floors, etc. Curved blade. No. 200 blade 16x5½ inches; 4½-ft. handle. No. 300, 12x4½ inch blade, 4-ft. handle.

CORN SHELLER

It can be set to shell any corn that grows. Made with ball-bearings, obviating the expense of a heavy balance wheel. Easily fastened to box by thumbscrews—no bolts nor screws required—no holes to be bored. Price, \$4.00. Weight, 14 lbs.; add postage.

CEL-O-GLASS

**Cel-O-Glass** is clear, tough and flexible. It is hail, rain, wind and rust proof, is a nonconductor of heat and cold, light in weight, and easy to apply. In addition to furnishing a protection for your poultry, **Cel-O-Glass** lets through the valuable, stimulating and health-giving ultra-violet rays of the sun. **Cel-O-Glass** is ideal for hotbed sash, coldframes, etc. **Cel-O-Glass** is made in rolls 3 feet wide, and 100 feet in length. Weight, 44 pounds. Price per yard, \$1.20. Add postage.

VIO-RAY

Is more flexible and more moisture-proof than other similar materials. Its greater flexibility prevents cracking in cold weather. **VIO-RAY** transmits the ultra-violet rays of the sun which increase egg production. 100 yards in roll. Width, 3 ft. Price, 30c per yard. Weight, 52 lbs. per roll; add postage.

WORM KILLERS

**"BLACK LEAF" WORM POWDER.** When given to poultry it mixes with food in the crop and gizzard, yet passes through the digestive tract unchanged until it reaches the intestines where large roundworm infestation occurs. There the nicotine is released immediately, and dead roundworms begin to be expelled a few hours later, continuing for about 24 to 36 hours. The dose is ¼ pound, mixed in a gallon of mash, for 100 birds, or 1 pound to 400 birds; fed the first thing in the morning. 4 oz. 65c; prepaid, 75c; 1½ lbs. \$2.50; prepaid, \$2.60. **CAPSULES.** An insoluble capsule carrying a combination worm medicine for tape, round and pin worms. It passes through the mouth, throat, crop and stomach of the fowl to the gizzard, pouring its full strength directly into the intestines upon the worms. Capsules do not cause sickness or depression if used according to directions on birds that are in normal health except for worms.

Prices:	Adult	Pullet	Chick
10-cap. Pkg. ....	\$ .15	\$ .10	\$ .10
50-cap. Pkg. ....	.75	.50	.40
100-cap. Pkg. ....	1.25	1.00	.75
Five 100-cap. Pkgs. ....	5.50	4.50	3.25
Ten 100-cap. Pkgs. ....	10.00	8.50	6.00

**FLU-KOFF EMULSION** is a cough syrup which greatly helps to allay cough. Especially recommended for use with Vapo-Spray in very severe cases of bronchitis. Give in wet mash or soaked oats. 12-oz. bottle, \$1.00; postpaid, \$1.10. quart bottle, \$2.00; postpaid, \$2.15.

**VAPO-SPRAY** is a compound of healing oils. Spray it in the air of the poultry house at night. The chickens breathe the vapors given off, which produce almost instantaneous relief. The entire flock can be treated as easily as one bird. 32-oz. bottle, 75c; postpaid, 90c. ½-gal. bottle, \$1.25; postpaid, \$1.45.

POULTRY FEEDS

The prices herein quoted for poultry feed are not guaranteed, owing to the uncertainty of grain prices.

ALFALFA MEAL

For a winter feed alfalfa is one of the best for this purpose. It contains more protein, lime and mineral salts in soluble and digestive form than clover, and fowls relish it in either a green or dry state. 100 lbs. \$1.30.

BONE CHICK

This is ground the proper size for young chicks. 100 lbs. \$2.50.

BONE, GRANULATED

Granulated Bone is made from fresh bones with the moisture and grease taken out, leaving nothing but the phosphate of lime and nitrogen. 100 lbs. \$2.50.

BONE MEAL

This is the same as granulated bone, but ground finer, so that it can be fed in a mash or to young chicks. 100 lbs. \$2.50.

EGG A DAY

Experience has shown that better results can be obtained by feeding poultry well-balanced feed, and feeding a greater proportion in mash form either in a dry state or slightly moistened. It therefore becomes necessary to feed a well balanced mash high in protein. Clover Leaf Egg a Day is compiled on an improved formula and is without doubt one of the best mashes on the market. Price, 80-lb. bag, \$2.00.

CLOVER LEAF CHICK FEED

The experience of poultry raisers is the same the world over and that is that it is easier to hatch young chicks than it is to raise them. By using Clover Leaf Chick Feed you can give the chicks just what nature intended, mixed in the right proportion to produce a quick and profitable growth without loss. 25 lbs. 75c; 100 lbs. \$2.50.



CHARCOAL

It aids digestion, purifies the blood, regulates the bowels and promotes the general good health of the chicks and adult fowls. Fine granulated, for all mash rations and for small chicks and a coarser granulated for adult fowls. Price, 50-lb. bag, \$1.50.

CLOVER LEAF GRIT

The sharpest and hardest grit known. Free from dust. Rich in iron, silica, aluminum and mica. Each crystal has sharp edges, which cut and grind, and grind and cut until the last minute particle is worn away. In ordering state whether you want chick or medium size. 100 lbs. 90c.

MEAT SCRAPS

The object in buying Meat Scraps or Meat Meal is to obtain the largest amount of digestible protein possible. Meat Scraps contain from 52% protein. Spokane made. \$3.50.

MEAT MEAL

52 per cent protein. Spokane product. Price, \$3.50. Prices on all poultry feeds subject to change. Full value sent for remittance received.

CLOVER LEAF SCRATCH FOOD

This is composed of choicest grains in just the correct proportions that several years of experience has demonstrated is right. Every practical poultry man will readily concede the great advantage of feeding such a mixture. Price per 100 lbs. \$2.25.

DOG BISCUITS

Dog Biscuits. The analysis of these biscuits shows that they are, weight for weight, equal in nourishment to fresh raw beefsteak. 25 lbs. \$3.50; 50 lbs. \$6.50; 100 lbs. \$12.50. Oval Biscuit. 25 lbs. \$3.50; 50 lbs. \$6.50; 100 lbs. \$12.50. Fibo Biscuit Oval. 25 lbs. \$3.75; 50 lbs. \$7.25; 100 lbs. \$14.00. Kibbled Biscuit. 25 lbs. \$3.10; 50 lbs. \$6.25; 100 lbs. \$12.00. Terrier Meal. 25 lbs. \$3.10; 50 lbs. \$6.00; 100 lbs. \$11.00. Cat Biscuit Pkt. 30c. Catnip Leaves, 20c postpaid. Mailing weight of bags, 1 lb. more than their priced weight; add postage. Booklet, Spratt's Dog Culture, mailed on request.

SHELL

The feeding of shells to poultry prevents soft shelled eggs, making the shells strong, and eggs larger and heavier. Eastern Oyster Shell, per bag, \$1.25.

PEAT MOSS

A very high quality peat moss. It is tremendously absorbent and will hold over 15 times its own weight in water. Ideal dressing for lawns and flowers. Has a wide range of valuable uses in garden, greenhouse and nursery work. Clean, dry, sterile and highly absorbent, it has no equal as a poultry litter or for brooding baby chicks. Over 20 cu. ft. of loose moss to the bale. Price, \$2.85.

BIRD SEED

Mixed. Per lb. 15c. Millet. Per lb. 15c, 2 lbs. 25c. Canary. Per lb. 15c. Cuttle Bone. Two for 5c. Maw. Per lb. 25c. Sunflower. Per lb. 15c. Rape, Sweet. Per lb. 20c. All bird seed recleaned. Add postage on all bird seeds.

DOG REMEDIES—CLAYTON'S

Blood Purifying and Cooling Pills. Especially useful in eczema and all skin diseases. 60c. Chorea is an affection of the nervous system. Tablets, 60c. Coughs. Cough Remedy, liquid, for coughs and colds from whatever cause. 60c. Diarrhoea. Diarrhoea Remedy, tablets very effective. 60c. Distemper. Distemperine tablets, for distemper. 60c. Fleas. Ceoline Dog Wash, for fleas and for a disinfectant. 40c. Cream Soap. For fleas and washing dogs. 35c. Killflea Soap. For fleas. 35c. Indigestion. Digestive tablets, for all forms of indigestion. 60c. Laxative Pills. Act directly on the liver and keep the bowels in good condition. 60c. Mange. Mange Remedy. Best remedy known for this disease. 60c. Skin Lotion. For all skin diseases. 60c. Worms. Vermifuge (soft capsules), also liquid. Can be given to small puppies, as well as dogs. 60c. Worm Pills. Composed of the best remedies known for the expulsion of worms. 60c. Rundown Condition. Condition pills, with pepsin. A very reliable remedy in all rundown conditions. Also very valuable in cases of distemper. Price, 60c. Clayton's Dog Remedies have long had a reputation for being very dependable, and they are generally considered as being the most desirable. Add 5c to quotations if forwarded by mail. Booklet on care of dogs, free on request.

A complete line of dog collars, harness, muzzles and leads. Different sizes and prices. Collars from 10 inches to 22 inches in length and prices from 60c to \$4.00. Harness from 14 inches to 28 inches and prices, \$1.25 to \$4.75. Leads, 48 inches, chain leads, 40c. Leather leads, 45c to \$1.20. Muzzles, small and medium, \$1.10; large, \$1.20. Add 5c to above prices for postage.

BIRD SPECIALTIES

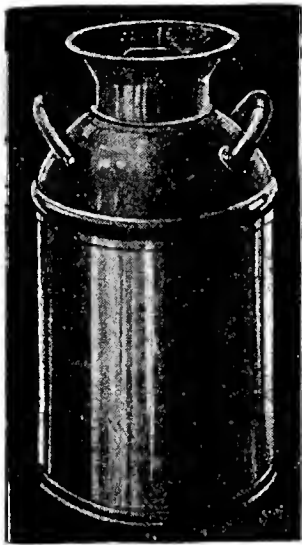
Bath Dishes. Made of porcelain, sanitary. Price, 10c; postpaid, 15c. Bird Bitters. A remedy for nearly all the diseases of cage birds. Price, 25c; postpaid, 30c. Bird Sand. Pkg., 2 lbs., price 25c; add postage. Mite Powder. Blow a little under the feathers of the bird. Price, 25c; postpaid, 30c. Moulting Pepper. When fed during moulting season it produces red-tinted feathers. Price, 25c; postpaid, 30c. Nestling Food. Special preparation highly recommended. Price, 25c; postpaid, 30c. Nesting Hair. Much better than any substitute. Price, 15c; postpaid, 20c. Orange Color Food. Intensifies the natural color of the plumage. Feed during the moulting period. Price, 25c; postpaid 30c. Song Restorer. A tonic for all seed-eating birds. Price, 15c; postpaid, 25c. Booklet on cage birds, free on request.

DAIRY SUPPLIES

MILK COOLERS

Junior. This cooler is of tin construction and is as strong and durable as it is possible to construct it.

No.	C	Capacity per Hr.	Price
		60-gal.	45.50



CANS

Ohio. This can is made with a single neck and is fitted with the popular outside bottom loop. Round handles, strong, durable and will withstand very rough usage. Price, with cover as shown in cut: 5 gallons, \$4.50; weight, 11 lbs. 10 gallons, \$5.75; weight, 17 lbs. Add postage.

CREAM CANS



P20. Heavy, seamless outside cover. Heavy ears. Coppered bail. Natural finish bail wood. Cover without handle. Rounded bottom. No gauge or faucet. IX charcoal plate. 20 quarts. Weight 3½ lbs. Price, \$1.25; add postage. P17220. Heavy seamless inset cover, heavy ears, coppered bail, natural finish bail wood, cover with handle, flat bottom. With gauge and faucet. IXX charcoal plate. 20 quarts. Weight, 5¼ lbs. Price, \$3.00; add postage. Delivery. Side handle, cover chained to can; well made and durable.

	Wt.	Price
1 Gallon City Delivery.....	4 lbs.	\$1.85
2 Gallon City Delivery.....	5 lbs.	2.50
3 Gallon City Delivery.....	6 lbs.	2.75
2 Gallon St. John.....	7 lbs.	2.75

Add postage.

DAZEY CHURN

The dasher in conjunction with the square corners of the receptacle, produces a thorough and scientific agitation, making it possible to churn in 6 to 15 minutes. Perfectly sanitary, the receptacle being non-absorbent, and no cracks to harbor the cream and become rancid.

Capacity	Churns	Material	Price	Weight
4 Pints.....	2	Glass	\$2.00	8 lbs.
8 Pints.....	4	Glass	3.00	12 lbs.
12 Pints.....	6	Glass	3.75	14 lbs.
16 Pints.....	8	Glass	4.50	20 lbs.

Add postage.

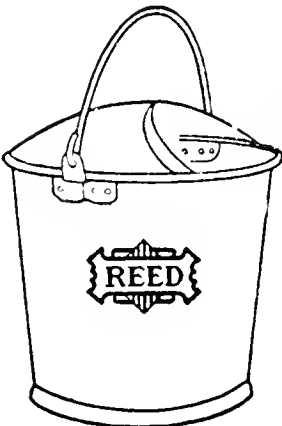
GLASS JARS FOR CHURNS

Size	Price	Weight
4 Pints.....	\$0.80	8 lbs.
8 Pints.....	1.25	12 lbs.
12 Pints.....	1.60	16 lbs.
16 Pints.....	2.00	20 lbs.

Add postage. All glassware packed carefully, but safe delivery not guaranteed.

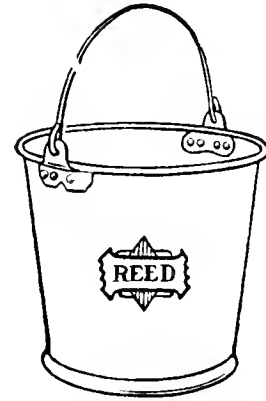
PAILS

**P8114.** Hooded. One-piece top or hooded. Steel ball. Reinforced ears. All seams sanitary soldered inside and outside. IX charcoal plate. 14 quarts. Weight 4 lbs. Price, \$1.75; add postage.



P8114

**P1114.** Reinforced ears, extra heavy wire in top, coppered bail, natural finish bail wood, IX charcoal plate. Flaring pattern. 14 quarts. Weight, 3 lbs. Price, 90c; add postage.



P1114

**P1214.** Same as P1114 but IXX charcoal plate. 14 quarts. Weight, 3½ lbs. Price, \$1.00; add postage.

**P5214.** Reinforced ears, heavy steel bail. Straight pattern IXX charcoal plate, 14 quarts. Weight, 3½ lbs. Price, \$1.00; add postage.

**P7214.** Reinforced ears, heavy steel bail, sanitary soldered inside and outside. Straight pattern IXX heavy charcoal plate, 14 quarts. Weight, 3¾ lbs. Price, \$1.25; add postage.

P7214

STRAINERS

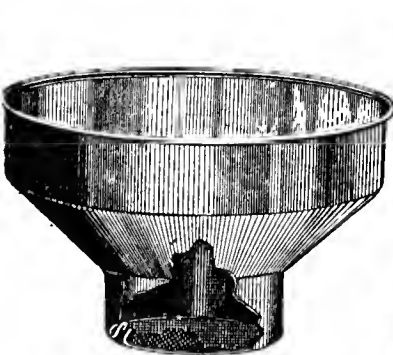
Heavy, seamless. Body and foot drawn from one piece. Heavy wire around top. Reversible wire ring to hold cloth.

No.	Capacity	Price	Weight
No. P1934.....	4 quarts	\$1.15	1½ lbs.
No. P1936.....	6 quarts	1.25	1¾ lbs.
No. P19712.....	12 quarts	1.75	3 lbs.

Add postage.

P19514

**No. P19514.** Same as P19412 but equipped with one flat and one convex perforated tin disc and wire spring. 14 quarts. Price, \$2.00. Wt. 3½ lbs.; add postage.



Wire Spring, 30c



Brass Wire Cloth, 35c



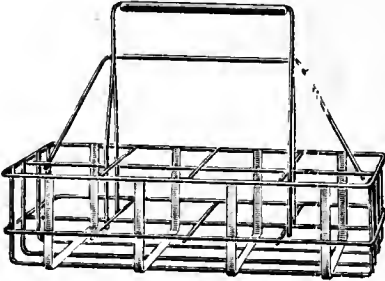
Perforated Tin, 25c

**No. P19412.** Extra heavy seamless, heavy wire around top; sanitary soldered. Equipped with removable brass wire cloth, perforated tin disc and wire spring. 12 quarts. Price, \$1.60. Weight, 3 lbs.; add postage.

BUTTER COLORING

Wells and Richardson. 5 1-gallon cans, \$20.00; gallon cans, \$4.25. Add postage.

BOTTLE CARRIERS



All joints are electrically welded and will not loosen or break. The handle is also of steel, being of half round material so it will not pinch the hand. Finish is a heavy tin plating, which is extremely durable. 6-quart, wt. 3 lbs., \$1.10 each; 8-quart, wt. 3¾ lbs., \$1.30 each; add postage.

BOTTLE CAPS

**Bottle Caps.** Stock print same as shown in cut. No lift. Packed in tubes of 500. Per M, 55c. Thousand and weigh 2½ lbs.; add postage.

CAPS WITH LIFT

**Stock Print.** Milk, cream, whipping cream, buttermilk and plain. No printing on plain. Per M, 60c. All in tubes of 500. Wt. per M, 3 lbs.; add postage. Ask for price on 50M with your imprint.



MILK BOTTLES

There are various grades of milk bottles on the market, and, unfortunately, there are still some people who consider a milk bottle a milk bottle. It is economy to use only the best. Half Pints, doz. 75c; ½ gross, \$3.00; gross, \$5.70. Pints, doz. 90c; ½ gross, \$3.75; gross, \$7.25. Quarts, doz. \$1.15; ½ gross, \$5.25; gross, \$10.00.

BRUSHES, BOTTLES, MILK



**No. 72.** See description bowl brush No. 72. Price, 50c. **No. 86.** See description bowl brush No. 72, with exception of stiff bristle and better quality. Price, 70c each.



**No. 73.** See description bowl brush No. 73. Price, 60c each.



**No. 123.** Stiff gray hair, brush part 3 inches diameter, tapered to 1⅞ inches diameter at handle end; 6½ inches long; hickory handle, ¾ inch diameter, 5 inches long, tapered to ½ inch diameter at end. Price, 60c. **No. 124.** Same brush as No. 123, with the single exception of handle being 9 inches long. Price, 60c.



**No. 82.** Extra stiff gray hair, brush part 3 inches diameter, 5½ inches long; hickory handle, ⅝ inch diameter, 10 inches long. Price, 50c.



No. 61. Stiff bristle body and tufts, brush part 3¼ inches wide, 2¼ inches thick, 7 inches long. Hardwood handle, ½ inch diameter, 10 inches long. Price, 40c.

**BOTTLES, TEST**

No. 833. For Babcock cream bottles; white bristle in body and tuft; brush part 1½ inches diameter, 3¼ inches long; length over all 10 inches. Price, 25c.

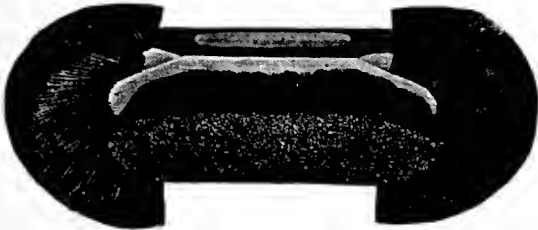
**BOWL**

No. 812. Small, black china bristle; brush part ¾ inch diameter, 3 inches long; length over all 8½ inches. See cut spout brush No. 812. Price, 20c.

No. 72. Black china bristle; brush part 2¾ inches diameter, 6 inches long; handle 9 inches. See cut milk bottle brush No. 72. Price, 50c.

No. 73. Black china bristle; brush part 3¼ inches diameter, 6 inches long, hickory handle, ½ inch diameter, 9 inches long. See cut milk bottle brush No. 73. Price, 60c.

**CAN**



No. 08. Stiff palmetto fibre; length on face, 10 inches; width on face, 5 inches. Price, 50c.



No. 416. Stiff palmetto fibre, brush part 5 inches wide, 4 inches long; length over all, 10 inches. Price, 40c.

**MILK COOLER**



No. 286. Palmetto fibre, two rows wide, length of fibre 1 3/16 inches, curved handle, 14½ inches long. Price, 25c. Add 5c to all brushes if forwarded by mail.

**HOSE CLEANING**



No. 830. Gray Russian bristle, brush part 4½ inches by ¾ inch. Length over all, 40 inches. Price, 35c. Add 5c to brushes if forwarded by mail.

**SPOUT**



No. 812. See description bowl brush No. 812. Price, 20c each.

**DELIVERY CASES**

**Wood—Hard**

Size	Capacity	Price	Weight
Quart .....	12	\$2.50	16 lbs.
Pints .....	20	2.50	15 lbs.
½ Pints .....	20	2.50	14 lbs.

**Steel**

This bottle crate is constructed of the best grade basic steel wire and is electrically welded at every intersection of wires.

Size	Capacity	Price	Weight
Quart .....	12	\$2.50	10 lbs.
Pints .....	20	2.50	12 lbs.
½ Pints .....	20	2.50	14 lbs.

**Wood—Soft**

Size	Capacity	Price	Weight
Pints .....	20	\$2.00	12 lbs.
½ Pints .....	16	2.00	12 lbs.



No. 815. Extra stiff black china bristle; brush part 5 inches by 2 inches diameter; length over all, 15 inches. Price, 25c.



No. 818. Black china bristle; brush part 1¼ inches diameter tapering to ¾ inch, 5 inches long; length over all, 12 inches. Price, 20c.

**STABLE BROOMS**



Fibre, No. 486. 14x3 inches. Length of fibre, 6 inches. 4 rows, 12 to row. Price, \$1.20. Weight 3 lbs.; add postage.

Fibre, No. 500. 16x3½ inches. Length of fibre, 6 inches. 4 rows, 14 to row. Price, \$1.50. Weight 4 lbs.; add postage.

Steel, No. 121. 14x2½ inches. Length of steel, 5 inches. 4 rows, 16 to row. Price, \$1.10. Weight, 4 lbs.; add postage.

Steel, No. 122. 16x2½ inches. Length of steel, 5 in. 4 rows, 18 to row. Price, \$1.50. Weight, 4 lbs.; add postage.

Handles not included in foregoing quotations. Price of handle, 25c. Weight, 1 lb.; add postage.

**MILK TESTER**

Made in two and four-bottle sizes. Each tester includes a full set of bottles, pipette, acid measure, test bottle brush and full directions for making tests.

	Price	Weight
No. 1. 4-bottle, milk only.....	\$7.00	16 lbs.
No. 2. 4-bottle, milk and cream.....	7.50	18 lbs.

Order by number. Add postage.

**ACID DIPPERS**

17.5 C. C., each.....	40c	8.8 C. C., each.....	60c
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**ACID MEASURE**

17.5 C. C., each.....	40c	8.8 C. C., each.....	40c
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**PIPETTES, PLAIN**

17.6 C. C., Milk.....	60c	9 C. C., Cream.....	60c
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**TEST BOTTLES**

Cream, 6-inch, 9-gram, graduated to 50%.  
Cream, 9-inch, 9-gram, graduated to 50%.  
Milk, 6-inch, 18 gram, graduated to 8%.  
The above three test bottle, each, 60c.  
Skim Milk, each, 60c.

We do not guarantee safe delivery of glassware.

**PARCHMENT BUTTER WRAPPER**

Amount	Plain	Ptd.	Weight
100 .....	\$0.25	.....	¾ lb.
500 .....	1.15	\$3.40	3½ lbs.
1000 .....	2.00	5.00	7 lbs.

Not less than 500 printed. Size 8x11. Add postage.

**STIRRER AND SAMPLER**

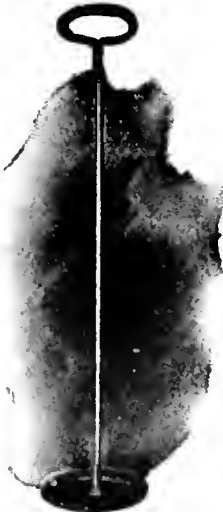
Duro Sampler has saucer-shaped disc of steel firmly attached to wrought iron handle of sufficient length to reach bottom of 10-gallon can.

Duro Stirrer is the same as Duro Sampler with the exception that there are five holes punched in bowl of stirrer to make stirring more effective.

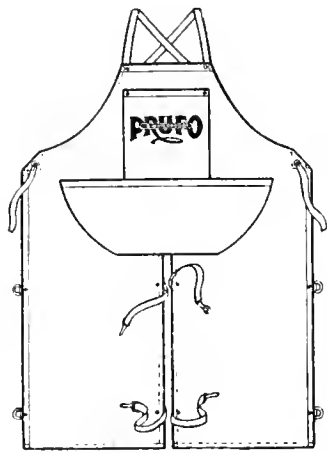
Sampler and Stirrer, 50c each. Weight, 2 lbs.; add postage.

**FILTER CLOTH**

Red Cross. 1 lb. rolls, 17 in. wide by 20 feet long. Price, \$1.25. Mailing weight, 2 lbs.; add postage.







TEAMSTERS' APRONS

No. T-2. Reinforced front, top pocket, split legs, with two straps, snaps and rings, suspender straps riveted. Each, \$2.00. Weight, 1 lb.; add postage.

CREAMERY APRONS

No. C-4. Creamery with patch, 8-oz. duck, suspender straps, 46-in. length. Each, \$2.50. Weight, 2 lbs.; add postage.

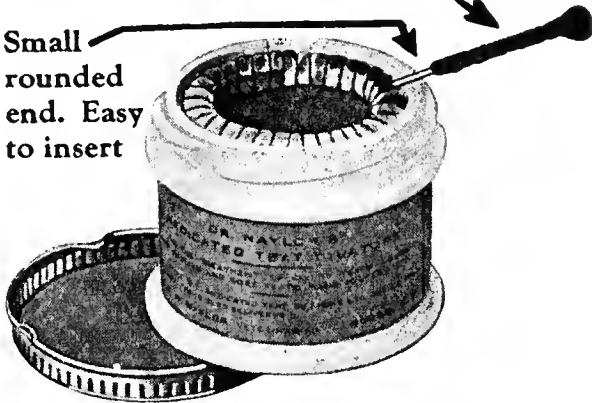
CATTLE INSTRUMENTS



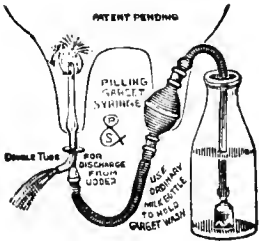
**CATTLE TROCAR.** Will promptly and safely relieve bloat. Every owner of cattle should have one on hand. Easy to use. Price, \$2.25; postpaid, \$2.35.

Soft Absorbent Texture

Small rounded end. Easy to insert



**MEDICATED TEAT DILATORS.** Dr. Naylor's Medicated Teat Dilators should be used right at the beginning of the trouble. For hard bunches and obstructions, do not resort to the knife. The dilators used right at the beginning of the trouble will absorb the obstruction. Severe cases or cases of long standing, when it is necessary to cut the teat, use Dr. Naylor's dilators to keep the teat open, until completely healed. Each, \$1.00; postpaid, \$1.10.



**Pilling Garget Syringe Outfit** consists of Pilling Garget Syringe, Pilling Remedy (30 treatments), Pilling Animal Soap. Price, \$5.75; postpaid, \$5.85.

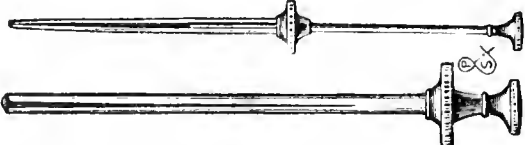


**HARD RUBBER TEAT PLUG.** Especially designed to prevent dropping of milk. Price, 75c; postpaid, 80c.

COTTON DISCS

J. and J. Rapid Flo Filter Discs

			Single Gauge
6 in.....	100	Plain \$0.30	\$0.50
6 in.....	300	.85	1.45
6 1/2 in.....	100	.35	.60
6 1/2 in.....	300	1.00	1.75
Mailing wt., 100, 1 lb.; mailing wt., 300, 3 lbs.; add postage.			



**TEAT DILATOR.** A finely made instrument, dilates without cutting. Nothing better made for this purpose. Price, \$1.65; postpaid, \$1.75.

MILKING TUBES



Plain. 2 inches, 25c; 2 1/2 inches, 25c; 3 inches, 30c.



Self Retaining. 3 inches. 35c.



The **Pilling Teat Opener** is simply used as a reamer or dilator to pass the obstruction. It does not cut the obstruction. \$1.25; prepaid, \$1.35.

MILK FEVER OUTFIT



Is made according to specifications described in Farmers' Bulletin 45, issued by the Bureau of Animal Industry, U. S. Department of Agriculture, except the rubber bulb. As it rots easily, this is replaced by a patented metal pump which will last a very long time.

**Milk Fever Outfit, Metal Pump and Regulator Tube,** \$3.25; postpaid, \$3.35.

**TEAT EXPANDERS.** Of metal, nickel-plated, is intended to expand and enlarge the opening of hard-milking teats. Also at the same time, it expands the milk canal. It is considered the best method of treating hard milkers. Easy to use. Price, 75c; postpaid, 80c.



PIG FORCEPS

Each, \$4.00; postpaid, \$4.10

BELLS

**Long Distance Cow Bells.** Made from one piece of metal, no riveting. Smooth, good tone.

No. 11. 3 1/2 x 2 5/8 x 3 5/8 in. high. Price, 35c; postpaid, 45c.

SHEEP BELLS

Cast malleable iron loop, copper plated. Substantial. Will not crack. No. 9. 2 5/8 x 2 in. Price, 25c; postpaid, 35c.

BELL STRAPS

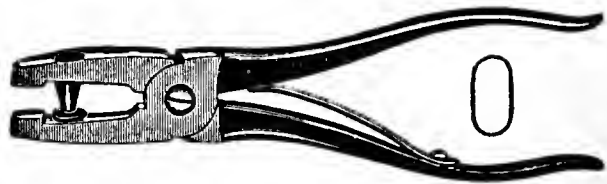
Sheep Bell Straps. Price, 25c; postpaid, 30c.

EAR BUTTON PUNCH



This combined punch and pliers are especially made for adjusting the buttons. The cutter makes the necessary hole, and the nipples seal the button. Each, \$1.75; postpaid, \$1.85.

EAR LABEL PUNCH



Do not forget to order punch when you order ear labels, as punch is necessary to cut hole in ear and also to seal labels. Price, \$1.75; postpaid, \$1.85.

ANTI COW KICKER

**So-Boss Cow Hobbles and Tail Holder** fits snugly over the tendons of cow's hind legs. Chain 22 inches long, has ring attached to free end. Price, 50c. Wt. 2 lbs.; add postage.

BRONZE BULL RING

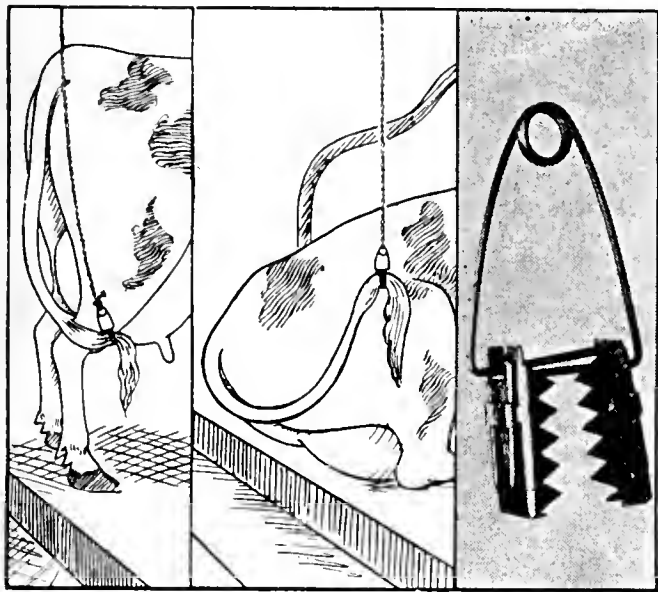
Bronze. Regular size, \$1.75; postpaid, \$1.80.

Bronze. Large size, \$2.50; postpaid, \$2.60.

Copper. 35c; postpaid, 40c.



TAIL HOLDERS



These holders can be installed in any barn—modern or otherwise. They can be applied in an instant. They cannot injure the cow's tail. They are practical, convenient, inexpensive and efficient. Price, 25c; postpaid, 30c; ½ doz. \$1.25; postpaid, \$1.35; 1 doz. \$2.40; postpaid, \$2.50.

EAR LABELS



Name can be put on the one side, numbers on the other. Not more than 10 large size letters can be put on hog or sheep sizes, or 15 on cattle. Mailing wt., 100 sheep size, 1 lb.; 100 cattle, 3 lbs. Add 5c per 100 or less number for postage.

	Sheep and Hogs	Cattle
25 name and number.....	\$1.00	\$1.10
50 name and number.....	1.50	1.75
100 name and number.....	2.00	2.50
500 name and number.....	8.50	11.00
25 name only or number only.....	.90	1.00
50 name only or number only.....	1.25	1.50
100 name only or number only.....	1.50	1.75
500 name only or number only.....	6.25	8.50

BULL STAFF

Constructed of 11/16-inch extra heavy steel pipe with malleable lock hook. Length, 4 feet 9 inches. Weight, 8 lbs. Price, \$5.00; add postage.

MILK STOOLS

Will not tip. Price, \$1.50. Weight, 4 lbs.; add postage.

FLEMING'S CHEMICAL HORNSTOP

Takes the place of dehorning. This is a caustic preparation put in a collapsible tube. It does not spread, hence remains where it is placed. It is easily applied just over the horn button, while the buttons are loose. It does not make a big sore, and saves dehorning later. It is very effective and a tube will treat 25 animals but will not keep from year to year. Equally effective on goats. Used on young animals. Price, tube, 60c; postpaid, 65c.

CALF WEANER

A perfect, humane and effective device. The hinge construction of this article allows the calf and cow to graze in the same pasture, yet effectually prevents sucking. It is easily applied.

Calf size, 40c; postpaid, 50c.  
Cow size, 60c; postpaid, 70c.

IDEAL EAR BUTTONS

Are made of pure hardened aluminum, consisting of two parts or sleeves, thus giving an absolute seal that will not become loose. Name and number can be put on without additional cost.

25, \$1.50; 50, \$2.00; 100, \$3.50; 500, \$15.25.  
Add 10c per 100 or less number for postage.



COW POKES

The special grade of band steel used has a rounded edge and makes a very strong yet light poke. Pokes do not interfere with the animal when feeding, grazing, drinking or lying down, and will not chafe the neck.

The fence guards or forks are very strong and long enough to properly engage in any kind of fence, including poles or bars. The width is 6½ inches, length 33 inches. Price, 65c. Weight, 3 lbs.; add postage.

STANCHIONS

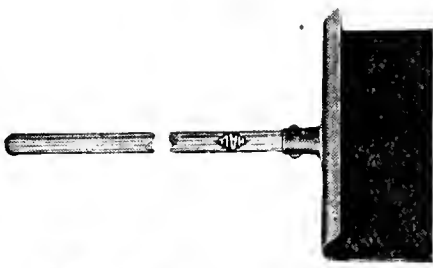
The frame of this stanchion is made of high carbon U-bar steel, and heavy pressed steel is used in the construction of every part. The lock is so well protected on the suspension plate that it cannot be opened by the cow's horns or by any movement of the stanchion, yet can be easily opened by one hand. By loosening one bolt at the top and one at the bottom the width of the stanchion can be adjusted to the neck of any cow.

No. 100. Wood-lined, \$2.90. Weight 20 lbs.; add postage.  
No. 102. Same stanchion exactly as 100 but not wood-lined. Price, \$2.65. Weight, 19 lbs.; add postage.



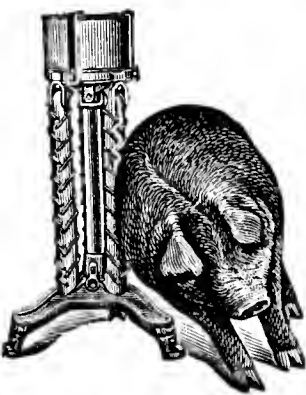
BARN OR WALK SCRAPER

This scraper can be used for cleaning barn floors, alleys and gutters, also for removing snow from sidewalks. Heavy steel blade, 6½ inches high, 13 inches wide. Handle, 58 inches long. Length over all, 64 inches. A push or pull cleaner. Price, \$1.25. Mailing weight, 7 lbs.; add postage.



CURVED BARN AND WALK CLEANER

Curved blade made of high carbon shovel steel; 4 ft. wood handle. Length over all, 64 inches. Width, 13 in. Price, \$1.25. Mailing wt., 7 lbs.; add postage.



HOG OILER

The Rowe Oiler can't clog or waste oil because it has no valves, no heavy rolling cylinder to stick, and if a hog lies down against the bar he lifts the spoon just once, gets only one small application of oil and doesn't cause all the oil to run out of the tank, as is the case where oilers depend on the opening and closing of valves.

Price, \$9.00.

STOCK FEED

The quotations made on stock feed are present market values. These are all subject to change. All feeds will be shipped at prices prevailing when goods are shipped. Write for prices in quantities.

OIL MEAL

The advantages of feeding Oil Meal are well known. Oil Meals, \$2.50. Write for prices, stating amount wanted. Prices on stock feed not guaranteed.

RYDE'S CREAM CALF MEAL

From practical tests it has been demonstrated that as good calves can be raised on Ryde's Cream Calf Meal as can be raised on milk. It contains everything needed to make calves grow and keep them healthy. 100 lbs. makes 100 gallons perfect milk substitute. 25-lb. bag, \$1.50; 100-lb. bag, \$5.25; add postage.

STOCK REMEDIES

K. O. FLY SPRAY

Will not taint milk or discolor hair. Kills and repels flies. Quarts, 55c; gallon can, \$1.25.

KOW KARE

Is specially recommended for barrenness, scours, milk fever, also for abortion and the removal of retained afterbirth, etc. Per can, 65c and \$1.25. Mailing weight, 2 and 4 lbs.; add postage.

ZENOLEUM

Sheep Scab. One part of Zenoleum to seventy parts of water heated to 100 to 110 degrees Fahrenheit. Hold the sheep in this bath for two minutes, rubbing the scabby parts with some rough substance to insure reaching the parasite.

Sheep Ticks. To 12 gallons of water add 1 pint of Zenoleum. This is equal to one gallon of Zenoleum to 100 gallons of water. Dip the sheep soon after mixing, and keep them in the water a minute.

Lice on Sheep. Dip the sheep, making a solution of one part Zenoleum to 50 parts of water. Repeat in six to eight days.

Fly and maggots. Use equal parts Zenoleum and water, and in extreme cases, full strength Zenoleum. Pint, 50c; quart, 75c; 1/2 gallon, \$1.25; gallon, \$2.00. Freight or express extra.



B. K. is a disinfectant but not a poison. Much stronger than coal tar disinfectants. Odorless and colorless. Largely used in dairies, creameries, hotel, restaurants, etc. 4-oz. bottle, 30c; 10-oz. bottle, 50c; 32-oz. bottle, 90c; 1 gal. \$2.00; 5 gals. \$8.50. Not mailable.

B-K Powder. Used for the same purposes as B-K liquid. Pkg., 9 1/3 oz. 75c; 1 1/4 lb. \$1.50; add postage.

BAG BALM

A soothing, penetrating salve for all affections of the bag. Price, 60c. Weight, 1 lb.; add postage.

POKE ROOT

Highly recommended for the treatment of garget. Price, 65c. Weight, 2 lbs.; add postage.

WYANDOTTE

This is the great cleaner and cleanser used by nearly all dairy-men and creameries. It is conceded to be the best preparation of its kind manufactured. 5-lb. bag, 45c; 25-lb. bag, \$1.85; 80-lb. kegs, \$5.55; 280-lb. barrels, \$15.85. Add postage on the bags. Prices subject to change.

DETERGENT. Used for cleaning painted walls, marble, tile and cement. 5-lb. bag, 50c; add postage. 75-lb. kegs, \$6.80.

WYANDOTTE STERILIZER. 2 lbs. \$1.00.; add postage.

DIVERSOL STERILIZER. 2 lbs. \$1.00; add postage.

BEE SUPPLIES

DOVETAILED HIVES

The dovetailed hive is now the leading hive, as it contains many of the most desirable features of the various hives for the rapid handling of bees, and is one of the cheapest and best hives manufactured.

Complete hive consists of 1 body, 1 super, 1 bottom board, 1 cover, 8 Hoffman brood frames, 2 wedges for super, 6 section holders, 6 slotted separators.

EIGHT-FRAME HIVE		Wt.	Wt.
		Nailed	5-K.D.
		Lbs.	Lbs.
1 Story	\$1.65	25	115
1 1/2 Story	2.50	31	150
No division boards in hives. Add postage.			

TEN-FRAME HIVE		Wt.	Wt.
		Nailed	5-K.D.
		Lbs.	Lbs.
1 Story	\$1.90	32	150
1 1/2 Story	3.00	42	200
No division boards in hives. Add postage.			

SUPER-TEN FRAME HIVE		Wt.	Wt.
		Nailed	5-K.D.
		Lbs.	Lbs.
Super Comb Honey	\$1.10	11	50
Super Extracting	1.10	11	50
No division boards in Super. Add postage on all bee supplies.			

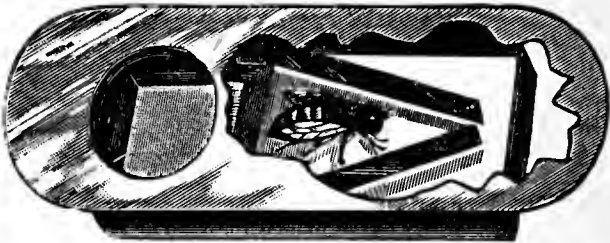
SUPER-EIGHT FRAME HIVE

	Nailed	5-K.D.	Wt. Nailed	Wt. 5-K.D.
			Lbs.	Lbs.
Super Comb Honey	\$0.95	\$4.00	9	40
Super Extracting	.95	4.00	10	45

BEE HIVE EXTRAS

	Each	50	100
		Lbs.	Lbs.
Division Boards for Brood Chamber	5c	\$1.25	\$2.00
Weight each, 1 lb.; add postage.			
Division Boards for Deep Super	5c	1.25	2.00
Weight each, 1 lb.; add postage.			
Section Holders, slotted	7c	2.75	5.25
Weight, 100, 35 lbs.; add postage.			
Slotted Separators	5c	1.50	2.50
Weight, 100, 8 lbs.; add postage.			
Super Followers	10c	3.00	5.50
Super Springs	3c	.75	1.25
Spring Steel Hive Tool, each 60c; postpaid, 70c.			

BEE ESCAPES



Porter. No apiarist can afford to be without bee escapes. In taking off honey it is a labor saving device. It avoids shaking heavy spurs to get the bees out, allows the bee to pass and prevents their return. Double, 35c; add 5c for postage.

ALLEY'S COMBINED DRONE AND QUEEN TRAP

A perfect non-swarmer arrangement. Weight, 1 lb. Each, 8 frame, 75c; 10 frame, 85c; add postage.

BRUSHES

Bristle. This is a strong, durable brush, made of black bristles. Price, 50c; postpaid, 55c.

BROOD FRAMES

The Hoffman Improved Foundation Fastening Frames are the latest and best brood frames. The top bar is made with a beveled strip which holds the foundation in place. Any particular frame can be removed without trouble. Price, each, 6c; 50, \$2.50; 100, \$4.50. Weight per 100, 55 lbs.; add postage. Shallow Extracting Frames. Price, each, 6c; 50, \$2.50; 100, \$4.50. Weight of 100, 28 lbs.; add postage. Metal Spacers only. Per 100, \$1.25.

COMB FOUNDATION

Size of Sheet	No. to lb.	Per lb.
Medium Brood. 7 7/8 x 16 7/8	7	\$0.50
Thin Super, 3 1/4 x 15 1/2	28	.60
Add postage.		

HONEY KNIFE

Price, \$1.75; postpaid, \$1.85.

QUEEN CAGES

The cover, to insure prompt delivery, is printed in exact facsimile of cut. On the reverse side are printed directions for introducing queens. 15c each.

WIRE IMBEDDER



The teeth are wide and grooved in the direction of the circumference midway across front of teeth, so that the wheel will easily follow the wire. 35c; by mail, 40c.

BEESWAX

2-oz. Cakes, 10c; 1 lb. size, 45c; add postage.

WAX TUBE FASTENER

Van Deusen. For fastening the foundation sheets to thin top-bars. It is simply a brass tube half an inch in diameter, 6 inches long and tapering. This is filled with hot wax and the point is then slowly drawn along the edge of the foundation. 35c; by mail, 40c.



GLOVES



Gloves for protection of the hands and wrists are almost indispensable. Canvas with sleeves, medium and large. Price, \$1.00; postpaid, \$1.10.

QUEEN EXCLUDING ZINCS

This is used between the upper and lower stories, to prevent the queen going up above. It is also used in making entrance guards, queen and drone traps, etc. For 8-frame hive, unbound, 13¼x19¼. Price, 50c. For 8-frame hive, wooden bound, 13¼x20. Price, 60c. For 10-frame hive, unbound, 16x19¼. Price, 60c. For 10-frame hive, wooden bound, 16x20. Price, 70c. 8-frame, 7-wire-and-wood, 13⅞x20. Price, 80c. 10-frame, 7-wire-and-wood, 16¼x20. Price, 90c. Add 10c each for postage.



FOUNDATION FASTENERS

The Parker Fastener is a cheap machine for fastening starters. With a little practice it can be made to work very satisfactorily. Price, 40c; postpaid, 50c.

ROOT BEE SMOKERS ALWAYS SMOKE



The Root Smoker Bellows is bound by a projecting metal strip to give a hand-hold, a very great help in handling the smoker. The Root smokers have an anti-spark device that prevents sparks being blown out the draft tube to start possible fires, and also prevents smoke being sucked into the bellows where smoke would destroy the leather.

Special Features. Quality material, anti-spark draft, hand-hold on bellows, smoke-free bellows, locked nuts on legs, hook for bellows on hinge.

Junior, \$1.00; postpaid, \$1.10. A good smoker for a few colonies. Standard, \$1.25; postpaid, \$1.35. Larger capacity than Junior. Jumbo, \$1.50; postpaid, \$1.60. Double capacity of the Standard.

VEILS

A great necessity and very cheap. Cotton, silk face. Price, \$1.00; postpaid, \$1.05.

INDESTRUCTIBLE BEE VEIL

Snag proof, bee proof, long life, comfortable, unobstructed vision; fits any hat; best material; most popular of all veils. Price, \$1.00; postpaid, \$1.10.

BEE BOOKS

A B C and X Y Z is the most complete and best book ever issued on bees and is equally valuable to the advanced bee keeper as well as to the beginner. Price, \$3.25. Wt. 4 lbs.; add postage.

SECTION HONEY BOXES

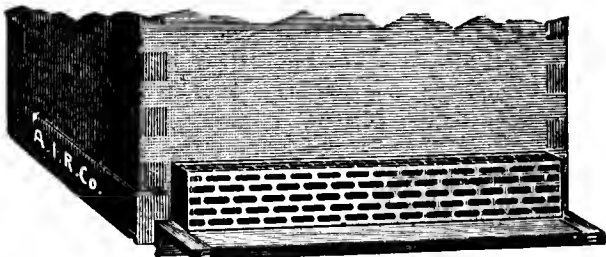
Sections. Are made of the choicest white basswood lumber, and all are perfect in finish and free from defects. They are not all snow-white, but vary from that to light cream colors. Price, per 25, 50c; 50, 85c; 100, \$1.50; 500, \$7.50; 1000, \$14.00. Weight 100. 6 lbs.; add postage.

Prices on bee supplies not guaranteed.

WIRE

No. 28 Tinned Wire seems to be the most suitable of any for wiring frame. ¼-lb. spools, 350 feet, 25c; ½-lb. spools, 700 feet, 40c; 1-lb. spools, 1400 feet, 70c. Add postage.

ENTRANCE GUARDS



These are to admit workers, and to exclude drones. After the drones are all out, fix guards over the entrance and at night the drones can be destroyed. For 8 and 10 frame hives. 35c; by mail, 40c.



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QUANTITY OF SEED TO ACRE

Alfalfa .....	8 to 15 lbs.	Corn, fodder .....	8 to 20 lbs.	Nasturtium, 1 oz. to 50 ft. of drill.....	15 lbs.
Artichoke, 1 oz. to 500 plants.....	6 oz.	Corn, Pop .....	8 to 12 lbs.	Oats .....	75 lbs.
Asparagus, 1 oz. to 500 plants.....	1 lb.	Cress, 1 lb. to 100 feet of drill.....	1 lb.	Okra, 1 oz. to 100 ft. of drill.....	8 lbs.
Barley .....	60 to 75 lbs.	Cucumber, 1 oz. to 60 hills.....	2 to 3 lbs.	Onions, 1 oz. to 100 ft. of drill.....	4 to 8 lbs.
Beans, Dwarf, 1 lb. to 100 ft. of drill .....	50 lbs.	Egg Plant, 1 oz. to 2,000 plants.....	4 oz.	Onions, for sets .....	30 to 40 lbs.
Beans, Tall, 1 lb. to 150 hills.....	25 lbs.	Endive, 1 oz. to 100 ft. of drill.....	4 oz.	Onion Sets, 1 lb. to 75 ft. of drill.....	400 lbs.
Beet, garden, 1 oz. to 50 ft. of drill..	5 lbs.	Flax, for seed, 30 lbs. to acre; for fibre .....	50 lbs.	Parsley, 1 oz. to 300 ft. of drill.....	3 lbs.
Beet, sugar, 1 oz to 50 ft. of drill....	5 lbs.	Grass, Brome .....	25 lbs.	Parsnips, 1 oz. to 200 ft. of drill.....	6 lbs.
Beet, Mangel Wurzel, 1 oz. to 50 ft. of drill .....	5 lbs.	Grass, lawn, 1 lb. to 300 sq. ft.....	80 lbs.	Peas, Garden, 1 lb. to 50 ft. of drill .....	60 lbs.
Broccoli, 1 oz. to 2,000 plants.....	4 oz.	Grass, Kentucky Blue, Canadian Blue .....	20 lbs.	Peas, Field .....	150 lbs.
Brussels Sprouts, 1 oz. to 2,00 plants .....	4 oz.	Grass, Sudan .....	10 lbs.	Pepper, 1 oz. to 1,000 plants.....	
Broom Corn .....	12 lbs.	Grass, Timothy .....	6 to 12 lbs.	Potatoes .....	400 to 600 lbs.
Buckwheat .....	45 lbs.	Grass, Red Top .....	10 to 15 lbs.	Pumpkin, 1 oz. to 30 hills.....	3 to 4 lbs.
Cabbage, 1 oz. to 1,500 plants.....	½ lb.	Grass, Rye, Oat Grass, Fescue Grasses .....	30 lbs.	Radish, 1 oz. to 100 ft. of drill.....	10 lbs.
Carrot, 1 oz. to 125 feet of drill.....	3 lbs.	Grass, Crested Wheat .....	15 lbs.	Rape, Dwarf Essex .....	5 to 10 lbs.
Cauliflower, 1 oz. to 2,000 plants....	3 oz.	Grass, Orchard .....	20 to 30 lbs.	Rutabagas, 1 oz. to 150 ft. of drill..	2 lbs.
Celery, 1 oz. to 5,000 plants.....	1 lb.	Horse Radish Roots .....	15,000 to 20,000	Rye .....	60 to 80 lbs.
Chicory, 1 oz. to 100 feet of drill....	4 lbs.	Kale, 1 oz. to 150 ft. of drill.....	1 lb.	Salsify, 1 oz. to 50 ft. of drill.....	8 lbs.
Clover, Alsike .....	6 to 15 lbs.	Kale, thousand headed .....	1 lb.	Spinach, 1 oz. to 100 ft. of drill.....	8 lbs.
Clover, White .....	6 to 10 lbs.	Khol Rabi, 1 oz. to 150 ft. of drill..	2 lbs.	Squash, Summer, 1 oz. to 25 hills..	3 lbs.
Clover, White, for lawns.....	25 to 100 lbs.	Kaffir Corn .....	6 to 8 lbs.	Squash, Winter, 1 oz to 12 hills.....	4 lbs.
Clover, Red and Crimson.....	12 to 20 lbs.	Leek, 1 oz. to 100 ft. of drill.....	4 lbs.	Sugar Cane .....	10 lbs.
Clover, sweet, hulled .....	15 lbs.	Lettuce, 1 oz. to 150 ft. of drill.....	3 lbs.	Sunflower .....	8 lbs.
Collards, 1 oz. to 2,000 plants.....	4 oz.	Melon, Musk, 1 oz. to 60 hills....	2 to 3 lbs.	Tomato, 1 oz. to 2,000 plants.....	4 oz.
Corn, Sweet, 1 lb. to 200 hills..	8 to 12 lbs.	Melon, Water, 1 oz. to 30 hills....	3 to 4 lbs.	Turnip, 1 oz. to 150 ft. of drill.....	2 lbs.
Corn, field .....	8 to 12 lbs.	Millet .....	30 lbs.	Vetches, Spring .....	60 to 90 lbs.
				Vetches, Winter .....	30 to 60 lbs.
				Wheat .....	60 to 80 lbs.

WEIGHT OF SEED PER BUSHEL

<b>Clovers:</b>		Barley, Hulled .....	60	Red Top, Hulled.....	36	Liberty .....	50
Alfalfa .....	60	Corn, Ear .....	70	Rye, English .....	25	Siberian .....	50
Alsike .....	60	Corn, Shelled .....	56	Rye, Italian .....	22	White Wonder .....	50
Crimson .....	60	Oats .....	32	Sudan .....	22	<b>Miscellaneous:</b>	
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Sweet, Unhulled .....	40	<b>Grasses:</b>		<b>Millets:</b>		Peas, Smooth .....	60
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USUAL DISTANCE FOR PLANTING

<b>Bushes:</b>		Peppers, 18 in. by 2½ ft.		Beets, stock, drills, 2x3 ft.		Radishes, drills, 1 to 2 ft.	
Blackberries, 8x4 ft.		Tomatoes, 4x4 ft.		Carrots, drills, 2x2½ ft.		Salsify, drills, 1 to 2 ft.	
" Mammoth, 8x12 ft.		Strawberries, hills, 1½x3 ft.		Corn, sweet, 2x3 ft.		Spinach, drills, 1 to 2 ft.	
Currants, 5x3 ft.		" matted rows, 1x3 ft.		Corn, field, 3x3 ft.		Squash, bush, 3x4 ft.	
Dewberries, 8x4 ft.		<b>Roots:</b>		Cucumbers, 4x4 ft.		Squash, running, 8x8 ft.	
Gooseberries, 5x3 ft.		Asparagus, 2x3 ft.		Lettuce, drills, 1x2 ft.		<b>Trees:</b>	
Raspberries, 7x3 ft.		Potatoes, 18 in. by 3 ft.		Melon, Musk, 5x5 ft.		Apple, 30x30 ft.	
<b>Plants:</b>		Rhubarb, 3x4 ft.		Melon, Water, 7x7 ft.		Cherry, 20x20 ft.	
Cabbage, Early, 16x30 in.		Sweet Potatoes, 2x4 ft.		Onions, drills, 2 to 3 ft.		Peach, 20x20 ft.	
Cabbage, Late, 24x30 in.		<b>Seeds:</b>		Parsnips, drills, 2 to 3 ft.		Pear, 20x20 ft.	
Cauliflower, 2x3 ft.		Beans, bush, drills, 3 ft.		Peas, drills, 2 to 3 ft.		Plum, 20x20 ft.	
Celery, 6 in. by 4 ft.		Beans, pole, 3x3 ft.		Peas, broadcast, acre, 150 lbs.		Quince, 20x20 ft.	
Egg Plant, 3x5 ft.		Beets, table, drills, 2x2½ ft.		Pumpkins, 8x8 ft.			

NUMBER OF PLANTS TO ACRE

Dist. Apart	Plants	Dist. Apart	Plants	Dist. Apart	Plants	Dist. Apart	Plants
12x 1 in. ....	522,270	25x18 in. ....	15,520	36x36 in. ....	4,840	60x60 in. ....	1,745
12x 3 in. ....	174,240	30x 1 in. ....	209,088	42x12 in. ....	12,446	8x 1 ft. ....	5,445
12x12 in. ....	43,560	30x 6 in. ....	34,848	42x24 in. ....	6,223	2x 3 ft. ....	1,815
16x 1 in. ....	382,040	30x12 in. ....	17,424	42x36 in. ....	4,148	8x 8 ft. ....	680
18x 1 in. ....	348,480	30x16 in. ....	13,068	48x12 in. ....	10,890	10x 1 ft. ....	4,356
18x 3 in. ....	116,160	30x20 in. ....	10,454	48x18 in. ....	7,790	10x 6 ft. ....	726
18x12 in. ....	29,040	30x24 in. ....	8,712	48x24 in. ....	5,445	10x10 ft. ....	435
18x18 in. ....	19,360	30x30 in. ....	6,970	48x30 in. ....	4,356	12x 1 ft. ....	3,630
20x 1 in. ....	313,635	36x 3 in. ....	58,080	48x36 in. ....	3,630	12x 5 ft. ....	736
20x20 in. ....	15,681	36x12 in. ....	14,520	48x48 in. ....	2,723	12x12 ft. ....	302
24x24 in. ....	10,890	36x18 in. ....	9,680	60x36 in. ....	2,901	16x 1 ft. ....	2,722
24x 1 in. ....	261,360	36x24 in. ....	7,260	60x48 in. ....	2,178	16x16 ft. ....	170







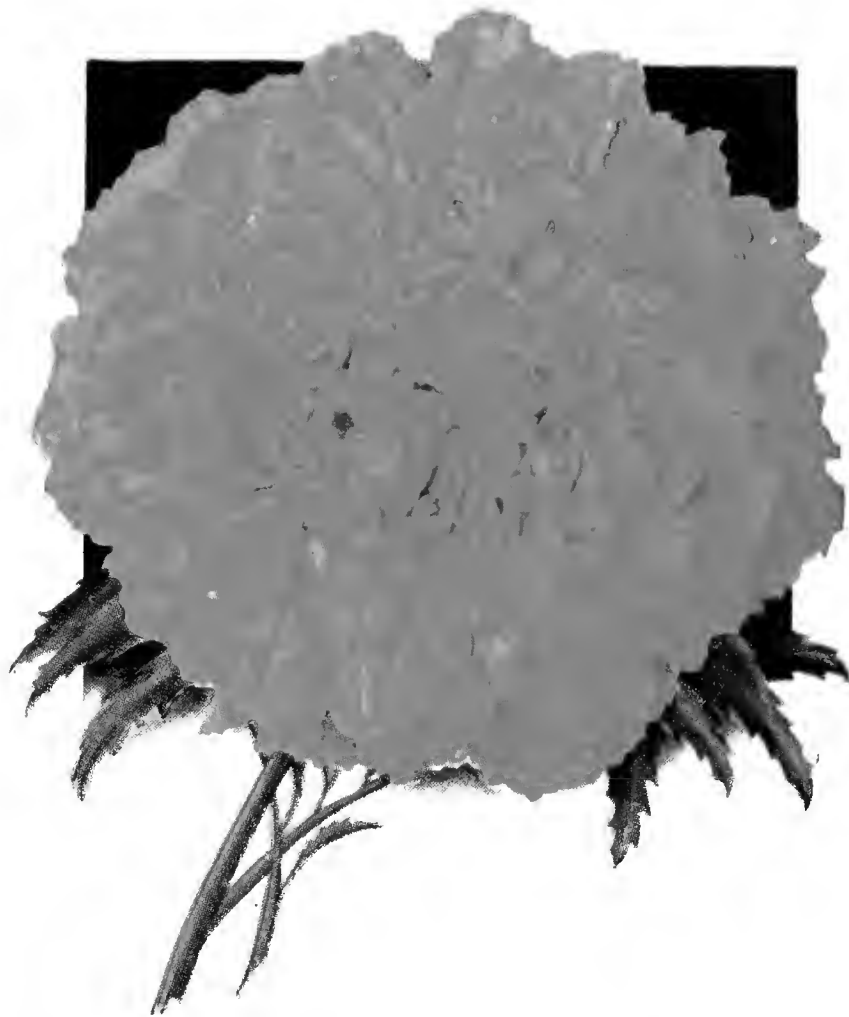


#### **COSMOS, SENSATION PINKIE**

This is the finest new development in Cosmos. The flowers are very large, as much as 5 inches in diameter, with broad, heavy fluted petals, slightly overlapped. Ideal for cut flowers. Sturdy plants are 3 to 4 feet high, producing flowers 8 to 10 weeks from seed. **Pkt. 15c.**

#### **CLARK'S HEAVENLY BLUE MORNING GLORY**

An early flowering variety, making a sparse growth of foliage and is heavily covered with flowers. These flowers are very large, of a beautiful sky blue color which shades at the center to a golden throat. **Pkt. 15c.**



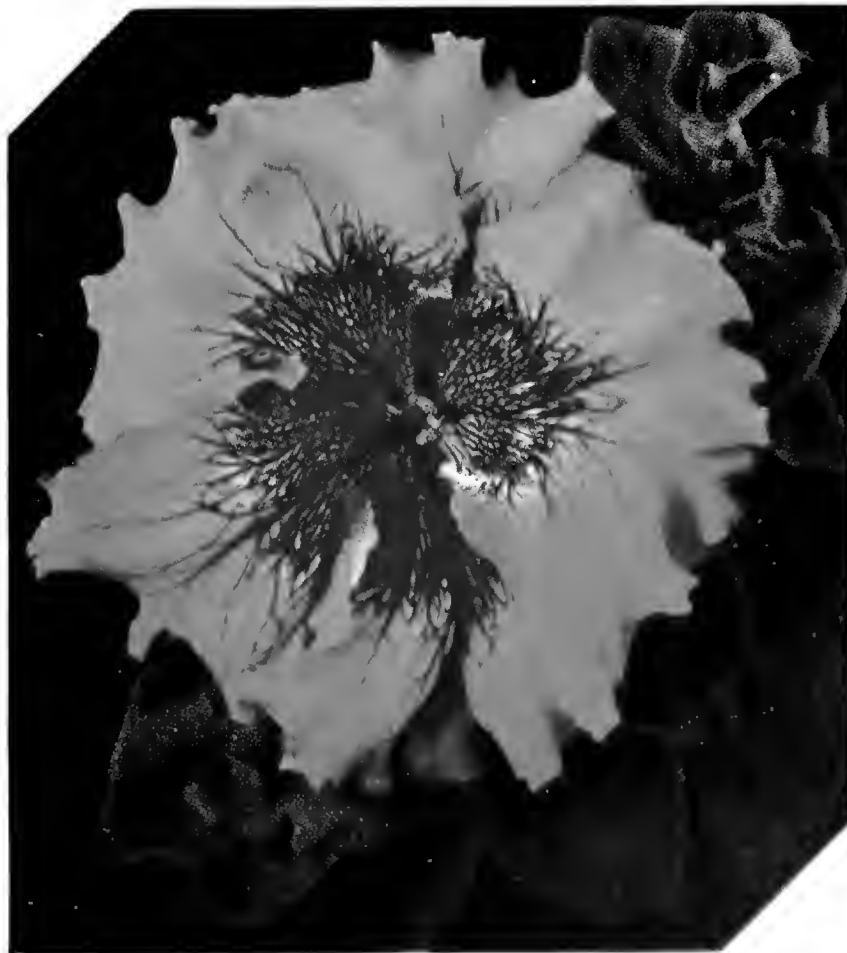
#### **MARIGOLD GIGANTEA SUNSET GIANTS**

(A New Bodger Marigold)

Sunset Giants are very showy, fragrant, and of exceptional size. The flowers are the largest ever known in the Marigold group, averaging 5 to 7½ inches. Instead of the usual Marigold odor these flowers have a definitely sweet fragrance. The flowers are loosely formed, very full centered, with broad heavy petals gracefully overlapping to make a flower of great depth. Sunset Giants is a mixture ranging from deep orange through golden orange, deep golden yellow, light yellow, lemon yellow, and a delightful new shade of primrose. **Pkt. 15c.**

#### **PETUNIA, GIANTS OF CALIFORNIA**

Very large ruffled, shallow open throated flowers in a color range comprising the lighter rose and pink shades. Strong growing plants and an excellent bedding variety. Flowers are produced in less than four months from the time the seed is sown. **Pkt. 25c.**



# FOUR Exquisite Large Flowering DAHLIAS



**BAGDAD**

A prize winning dahlia of wonderful size. It is a beautiful, brilliant scarlet flame; the long stems hold the blooms high above the bush. Good bush growth and a good bloomer. Each 50c.



**MARMION**

An old type of dahlia but still popular. Pure primrose yellow with a bronze center; reverse of petals suffused bronze. A sturdy, strong-growing plant with blooms held well above the foliage. Each 50c.



**FORT MONMOUTH**

Full-centered, well-formed flowers, borne on long, stiff stems high above the foliage. The predominating color is rich claret with brightness unusual in darker tones. A very prolific grower and bloomer and fine for cutting. Each 50c.



**MRS. ALFRED B. SEAL**

Rich old rose of medium tone, the blooms are large and deep and carried high on fine stems. A very fine introduction that is an Achievement Medal winner. The plants are tall and strong. Each 50c.

ANY FOUR— **\$175**  
Customer's Choice

**INLAND SEED CO.**  
**SPOKANE, WASHINGTON**

